

FP-1 FIRE PROTECTION PLAN
FP-2 FIRE SPRINKLER REQUIREMENTS
FA-1 FIRE ALARM PLAN - FLOOR PLAN
FA-2 FIRE ALARM RISER/NOTES & MATRIX

P1	PLUMBING NOTES
P2	PLUMBING – WATER PLAN
P3	PLUMBING – WASTE PLAN
P4	ISOMETRIC WATER RISER DIAGRAM
P5	ISOMETRIC WASTE RISER DIAGRAM



410 DENIM DRIVE
ERWIN, NC 28339

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UNDERGOING AN ALTERATION LEVEL III BY REMOVING THE TEMPORARY STRUCTURE IN THE REAR OF THE BUILDING AND REBUILDING A NEW STRUCTURED WALL AND ROOF REPAIR. THERE WILL BE NEW ELECTRICAL, PLUMBING, AND MECHANICAL SYSTEMS. CONSTRUCTING NEW INTERIOR WALLS, FINISHES, AND NEW LAY-IN CEILING.

EXISTING BUILDING	2018 NC EXISTING BUILDING CODE
BUILDING	2018 NC BUILDING CODE
PLUMBING	2018 NC PLUMBING CODE
MECHANICAL	2018 NC MECHANICAL CODE
ELECTRICAL	2020 NATIONAL ELECTRICAL CODE (NFPA-70)
FIRE PREVENTION	2018 NC FIRE CODE
ENERGY	2018 NC ENERGY CONSERVATION CODE
ACCESSIBILITY	ICC A117.1-2009 AND THE AMERICANS WITH DISABILITIES ACT (ADAAG)

COUNTY of HARNETT
INSPECTION DEPARTMENT
420 McKINNEY PARKWAY
LILLINGTON, NC 27546
910-893-2793

The site plan shows a rectangular lot bounded by S 10th St to the west, E H St to the north, and Denim Dr to the south. The address 410 Denim Dr is indicated. A proposed building footprint is shown in grey, consisting of a main rectangular section and a smaller rectangular section attached to its east side. The existing building footprint is shown in white with a black outline. The proposed building footprint is labeled "BHUC(NEW)". The existing building footprint is labeled "NO WORK". The lot is divided into two sections by a vertical line, with the western section labeled "S 10TH ST" and the eastern section labeled "410 DENIM DR".

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM



8' 1'-0" 2'-0" 4'-0" 6'-0" 8'-0" 10'-0" 12'-0" 14'-0" 16'-0" 18'-0" 20'-0" 22'-0" 24'-0" 26'-0" 28'-0" 30'-0" 32'-0" 34'-0" 36'-0" 38'-0" 40'-0" 42'-0" 44'-0" 46'-0" 48'-0" 50'-0" 52'-0" 54'-0" 56'-0" 58'-0" 60'-0" 62'-0" 64'-0" 66'-0" 68'-0" 70'-0" 72'-0" 74'-0" 76'-0" 78'-0" 80'-0" 82'-0" 84'-0" 86'-0" 88'-0" 90'-0" 92'-0" 94'-0" 96'-0" 98'-0" 100'-0"

8' 1'-0" 2'-0" 4'-0" 6'-0" 8'-0" 10'-0" 12'-0" 14'-0" 16'-0" 18'-0" 20'-0" 22'-0" 24'-0" 26'-0" 28'-0" 30'-0" 32'-0" 34'-0" 36'-0" 38'-0" 40'-0" 42'-0" 44'-0" 46'-0" 48'-0" 50'-0" 52'-0" 54'-0" 56'-0" 58'-0" 60'-0" 62'-0" 64'-0" 66'-0" 68'-0" 70'-0" 72'-0" 74'-0" 76'-0" 78'-0" 80'-0" 82'-0" 84'-0" 86'-0" 88'-0" 90'-0" 92'-0" 94'-0" 96'-0" 98'-0" 100'-0"

2018 NORTH CAROLINA BUILDING CODE SUMMARY: APPENDIX B

Name of Project: GOOD HOPE BEHAVIORAL HOSPITAL Part / P/N: 0597-84-4289.000
Address: 410 DENIM DR Zip Code: 28339
Owner or Authorized Agent: BEHAVIORAL OUTPATIENT CLINIC Phone: E-Mail:
Owned By: GOOD HOPE HOSPITAL City/County: Private State:
Code Enforcement Jurisdiction: City: ERWIN County: HARNETT State: NORTH CAROLINA

CONTACT: KELLY J. DOOSON

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	N/A	N/A	N/A	N/A	N/A
Electrical	JCE	DOUGLAS L. JENKINS	NC PE 28803	(910) 822-1724	buddy@jenkinspro.com
Fire Alarm	N/A	N/A	N/A	N/A	N/A
Plumbing	JCE	DOUGLAS L. JENKINS	NC PE 28803	(910) 822-1724	buddy@jenkinspro.com
Mechanical	JCE	DOUGLAS L. JENKINS	NC PE 28803	(910) 822-1724	buddy@jenkinspro.com
Sprinkler-Standpipe	N/A	N/A	N/A	N/A	N/A
Structural	N/A	N/A	N/A	N/A	N/A
INTERIOR WALLS	N/A	N/A	N/A	N/A	N/A
Retaining Walls >5' High	N/A	N/A	N/A	N/A	N/A
Building	JCE	KELLY J. DOOSON	NC PE 42009	(910) 822-1724	kelly@jenkinspro.com

2018 NORTH CAROLINA BUILDING CODE: ☐ New Building ☐ Shell / Core ☐ First Time Interior Completions
☐ Addition ☐ Phased Construction - Shell Core

2018 NORTH CAROLINA EXISTING BUILDING CODE: ☐ Prescriptive ☐ Alteration Level I ☐ Historic Property
(check all that apply) ☐ Repair ☐ Alteration Level II ☐ Change of Use
☐ Chapter 14 ☐ Alteration Level III

CONSTRUCTED: (date) 1913 CURRENT USE (S) (Ch. 3): GOOD HOPE HOSPITAL-21
REINFORCED: (date) 2009 PROPOSED USE (S) (Ch. 3): BEHAVIORAL URGENT CARE (BUSINESS)
OCCUPANCY RISK CATEGORY (Table 1604.5): Current: I Proposed: I

BASIC BUILDING DATA
Construction Type: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III ☐ IV ☐ V-A ☐ V-B
(check all that apply) ☐ Partial ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Sprinklers: ☐ No ☐ Class I ☐ II ☐ III ☐ Wet ☐ Dry
Standpipes: ☐ No ☐ Yes (APPENDIX D) Flood Hazard Area: ☐ No ☐ Yes
Primary Fire District: ☐ No ☐ Yes
Special Inspections Required: ☐ No ☐ Yes

GROSS BUILDING AREA TABLE

FLOOR	EXISTING (sq ft)	NEW (sq ft)	SUBTOTAL
TOTAL RENOVATION AREA	6,522	-	6,522

ALLOWABLE AREA

Primary Occupancy Classification(s): ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Assembly ☐ Business ☐ Educational ☐ Factory ☐ F-1 Moderate ☐ F-2 Low ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4 ☐ I-5
Institutional ☐ I-1 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
I-2 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
Mercantile ☐ Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4 ☐ R-5
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ S-3 High-piled ☐ Repair Garage
☐ Parking Garage ☐ Open ☐ Enclosed

Utility and Miscellaneous

Accessory Occupancy Classification(s): NONE
Incidental Uses (Table 509): NONE
This separation is not exempt as a Non-separated Use (see exceptions).
Special Uses (Chapter 4): ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413
☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421 ☐ 422 ☐ 423 ☐ 424 ☐ 425
☐ 426 ☐ 427 ☐ 428 ☐ 429 ☐ 430
Special Provisions (Chapter 5): ☐ 510.2 ☐ 510.3 ☐ 510.4 ☐ 510.5 ☐ 510.6 ☐ 510.7 ☐ 510.8 ☐ 510.9
Mixed Occupancy: ☐ No ☐ Yes Separation: ☐ No ☐ Yes Exception: ☐ No ☐ Yes

Separated Use Formula 508.4.2: $\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$

STORY NUMBER	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 508.2.4 AREA	(C) AREA FOR FRONTAGE INCREASE 1.5	(D) ALLOWABLE AREA PER STORY (OR UNLIMITED 2.5)
1	BUSINESS	6,522	78,000	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

1. Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)
d. W = Minimum width (weighted average) of public way = $100 / (F/P) \times W/30$ where $W = (L_1 \times W_1 + L_2 \times W_2) / F$ (Equation 5-4)
e. Percent of frontage increase = (F) (Equation 5-5)

FRONTAGE INCREASE WORKSHEET FOR CALCULATIONS:

EXTERIOR WALL	(F) OPEN LENGTH (feet)	(P) TOTAL LENGTH (feet)	(W) (Weighted average) WIDTH OF PUBLIC WAY OR OPEN SPACE (feet)	(B) FROM CALC. ABOVE	(C) FROM TABLE ABOVE	AREA INCREASE FOR COLUMN (C) ABOVE (% * TABLE AREA)
North						
South						
East						
West						
TOTAL						

EXAMPLE: 75 100 25 42 23,500 (42*23,500 = 9,870)

2. Unlimited area applicable under conditions of Sections 507
3. Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (Section 506.2)
4. The maximum area of open parking garages must comply with Table 405.5.4. The maximum area of air traffic control towers must comply with Table 412.1.1
5. Frontage increase is based on the unspinklered area value in Table 506.2.

BUILDING CODE SUMMARY (continued)

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	55	~25'	-
Building Height in Stories (Table 504.4)	2	-	-

1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (feet)	RATING ** (TABLE 601) REQ'D N-B (EXISTING) NO CHANGE	PROVIDED (W) REDUCTION	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses		0					
Bearing Walls							
Exterior		2-HR	EXISTING WALLS				
North							
East							
West							
South							
Interior		0	2-HR(EXISTING)				
Nonbearing walls and partitions							
Exterior walls		0					
North							
East							
West							
South							
Interior Non-Bearing Walls		0					
Floor construction including supporting beams and joists		0					
Floor Ceiling Assembly							
Columns Supporting Floors							
Roof construction including supporting beams and joists		0					
Roof Ceiling Assembly							
Columns Supporting Roof							
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy / Fire Barrier Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/Sleeping Unit Separation		2	2	G11	UL-1410		
Incidental Use Separation							

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

EXTERIOR WALL	FIRE SEPARATION DISTANCE (feet) FROM PROPERTY LINE	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (A)	ACTUAL SHOWN ON PLANS (A)
North	-	-	-	-
South	-	-	-	-
East	-	-	-	-
West	-	-	-	-

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☒ Yes ☐ No
Exit Signs: ☒ Yes ☐ No
Fire Alarm: ☒ Yes ☐ No
Smoke Detection Systems: ☐ Yes ☒ No Partial ☐ Duct Detectors
Carbon Monoxide Detection: ☐ Yes ☒ No
Life Safety Systems Generator: ☐ Yes ☒ No

Life Safety Plan Sheet #: LSP

LIFE SAFETY PLAN REQUIREMENTS

☒ Fire and/or smoke rated wall locations (Chapter 7)
☐ Assumed and real property line locations (if not on the site plan)
☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
☒ Occupant loads for each area
☒ Exit access travel distances (1017)
☐ Common path of travel distances [1006.2.1 & 1006.3.2(1)]
☐ Dead end lengths (1020.4)
☒ Clear exit widths for each exit door
☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
☒ Actual occupant load for each exit door
☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
☒ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
☒ Location of doors with electromagnetic egress locks (1010.1.9.9)
☐ Location of doors equipped with hold-open devices
☐ Location of emergency escape windows (1030)
☐ The square footage of each fire area (903)
☐ The square footage of each smoke compartment for Occupancy Classification I-II (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
NONE REQUIRED							

ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES	# OF ACCESSIBLE SPACES PROVIDED	TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	
NO CHANGE TO EXISTING PARKING			
TOTAL			

BUILDING CODE SUMMARY (continued)

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE	WATER CLOSETS	URINALS	LABS/LOPES	SHOWERS/TUBS	DRINKING FOUNTAINS	SERVICE SINK
	MALE	FEMALE	UNSEX	MALE	FEMALE	UNSEX
EXISTING FIXTURES	-	-	-	-	-	-
NEW FIXTURES	-	7	-	7	2	1
TOTAL PROVIDED	-	7	-	7	2	1

SPECIAL APPROVALS:

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHS, ICC, etc., describe below)
NONE

ENERGY SUMMARY

ENERGY REQUIREMENTS: (NOT REQUIRED)

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: ☒ (If checked, the remainder of this section is not applicable).

Exempt Building: ☐ Provide code or statutory reference: _____

Climate Zone: ☐ 3A ☒ 4A ☐ 5A HARNETT COUNTY

Method of Compliance:
Energy Code: ☐ Performance ☐ Prescriptive
ASHRAE 90.1: ☐ Performance ☐ Prescriptive
Other: ☐ Performance (specify source) _____

Value of total assembly: -

THERMAL ENVELOPE: (Prescriptive method only)

Roof/Ceiling Assembly (each assembly)
Description of assembly: WOOD(ATTC) R-42 FRAMED METAL ROOF R-49
U-Value of total assembly: _____
R-Value of insulation: _____
Sightlines in each assembly: _____
U-Value of skylight: _____
Total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: R-9.5 C.I.
Openings (windows or doors with glazing): _____
U-Value of assembly: EXISTING WINDOWS
Solar heat gain coefficient: _____
Projection factor: _____
Door R-Values: _____

Walls below grade (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

Floors over unconditioned space (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

Floors slab on grade
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/vertical requirement: _____
slab heated: _____

MECHANICAL SUMMARY (SEE DRAWING SHEET M1)

ELECTRICAL SUMMARY (SEE DRAWING SHEET E1)

HARNETT COUNTY
BUILDING CODE SUMMARY
FOR:
ALTERATION LEVEL III:
GOOD HOPE
BEHAVIORAL HEALTH URGENT CARE
(HARNETT COUNTY BHUC)

410 DENIM DRIVE
ERWIN, NC 28339

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM



JENKINS
CONSULTING ENGINEERS, PA
OFFICE IN FURBER SPRINGS, NORTH CAROLINA
NORTH CAROLINA CORPORATION NUMBER C-3030
CAPITAL PROJECTS
P/N 0597-84-4289.000



25 JULY 2025

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS SAN, ED, BT, JC, JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☒ FOR CONSTRUCTION

OWNER/TEENANT: GOOD HOPE BEHAVIORAL HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

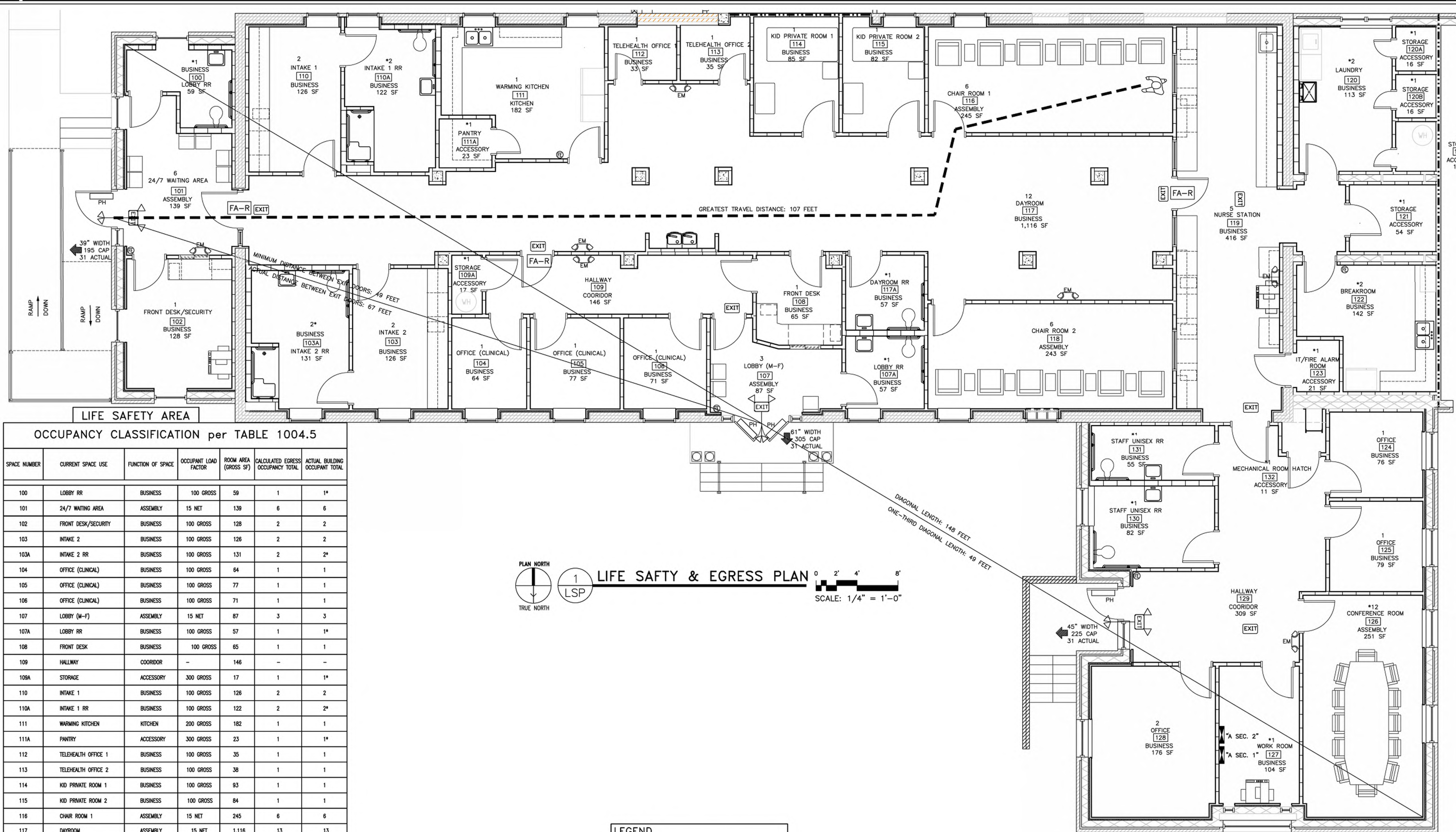
CONTRACTOR/SUBS: STE GENERAL CONTRACTORS LLC
100 TUGMAN DRIVE, DANN, NC 28334

PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: BUILDING CODE SUMMARY

BCS

0' 4' 8' 12' 16' 20' 24' 28' 32' 36' 40' 44' 48' 52' 56' 60' 64' 68' 72' 76' 80' 84' 88' 92' 96' 100' 104' 108' 112' 116' 120' 124' 128' 132' 136' 140' 144' 148' 152' 156' 160' 164' 168' 172' 176' 180' 184' 188' 192' 196' 200' 204' 208' 212' 216' 220' 224' 228' 232' 236' 240' 244' 248' 252' 256' 260' 264' 268' 272' 276' 280' 284' 288' 292' 296' 300' 304' 308' 312' 316' 320' 324' 328' 332' 336' 340' 344' 348' 352' 356' 360' 364' 368' 372' 376' 380' 384' 388' 392' 396' 400' 404' 408' 412' 416' 420' 424' 428' 432' 436' 440' 444' 448' 452' 456' 460' 464' 468' 472' 476' 480' 484' 488' 492' 496' 500' 504' 508' 512' 516' 520' 524' 528' 532' 536' 540' 544' 548' 552' 556' 560' 564' 568' 572' 576' 580' 584' 588' 592' 596' 600' 604' 608' 612' 616' 620' 624' 628' 632' 636' 640' 644' 648' 652' 656' 660' 664' 668' 672' 676' 680' 684' 688' 692' 696' 700' 704' 708' 712' 716' 720' 724' 728' 732' 736' 740' 744' 748' 752' 756' 760' 764' 768' 772' 776' 780' 784' 788' 792' 796' 800' 804' 808' 812' 816' 820' 824' 828' 832' 836' 840' 844' 848' 852' 856' 860' 864' 868' 872' 876' 880' 884' 888' 892' 896' 900' 904' 908' 912' 916' 920' 924' 928' 932' 936' 940' 944' 948' 952' 956' 960' 964' 968' 972' 976' 980' 984' 988' 992' 996' 1000'



OCCUPANCY CLASSIFICATION per TABLE 1004.5

SPACE NUMBER	CURRENT SPACE USE	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	ROOM AREA (GROSS SF)	CALCULATED EGRESS OCCUPANCY TOTAL	ACTUAL BUILDING OCCUPANT TOTAL
100	LOBBY RR	BUSINESS	100 GROSS	59	1	1*
101	24/7 WAITING AREA	ASSEMBLY	15 NET	139	6	6
102	FRONT DESK/SECURITY	BUSINESS	100 GROSS	128	2	2
103	INTAKE 2	BUSINESS	100 GROSS	126	2	2
103A	INTAKE 2 RR	BUSINESS	100 GROSS	131	2	2*
104	OFFICE (CLINICAL)	BUSINESS	100 GROSS	64	1	1
105	OFFICE (CLINICAL)	BUSINESS	100 GROSS	77	1	1
106	OFFICE (CLINICAL)	BUSINESS	100 GROSS	71	1	1
107	LOBBY (M-F)	ASSEMBLY	15 NET	87	3	3
107A	LOBBY RR	BUSINESS	100 GROSS	57	1	1*
108	FRONT DESK	BUSINESS	100 GROSS	65	1	1
109	HALLWAY	COORRIDOR	-	146	-	-
109A	STORAGE	ACCESSORY	300 GROSS	17	1	1*
110	INTAKE 1	BUSINESS	100 GROSS	126	2	2
110A	INTAKE 1 RR	BUSINESS	100 GROSS	122	2	2*
111	WARMING KITCHEN	KITCHEN	200 GROSS	182	1	1
111A	PANTRY	ACCESSORY	300 GROSS	23	1	1*
112	TELEHEALTH OFFICE 1	BUSINESS	100 GROSS	35	1	1
113	TELEHEALTH OFFICE 2	BUSINESS	100 GROSS	38	1	1
114	KID PRIVATE ROOM 1	BUSINESS	100 GROSS	93	1	1
115	KID PRIVATE ROOM 2	BUSINESS	100 GROSS	84	1	1
116	CHAIR ROOM 1	ASSEMBLY	15 NET	245	6	6
117	DAYROOM	ASSEMBLY	15 NET	1,116	13	13
117A	DAYROOM RR	BUSINESS	100 GROSS	57	1	1*
118	CHAIR ROOM 2	ASSEMBLY	15 NET	243	6	6
119	NURSE STATION	BUSINESS	100 GROSS	416	5	5
120	LAUNDRY ROOM	BUSINESS	100 GROSS	113	2	2*
120A	STORAGE	ACCESSORY	300 GROSS	16	1	1*
120B	STORAGE	ACCESSORY	300 GROSS	16	1	1*
120C	STORAGE	ACCESSORY	300 GROSS	19	1	1*
121	STORAGE	ACCESSORY	300 GROSS	54	1	1*
122	STAFF BREAKROOM	BUSINESS	100 GROSS	130	2	2*
123	MECHANICAL	ACCESSORY	300 GROSS	71	1	1*
124	OFFICE	BUSINESS	100 GROSS	76	1	1
125	OFFICE	BUSINESS	100 GROSS	79	1	1
126	CONFERENCE ROOM	ASSEMBLY	15 NET	251	12	12*
127	WORK ROOM	BUSINESS	100 GROSS	61	1	1*
128	OFFICE	BUSINESS	100 GROSS	176	2	2
129	HALLWAY	COORRIDOR	-	328	-	-
130	STAFF UNISEX RR	BUSINESS	100 GROSS	90	1	1*
131	STAFF UNISEX RR	BUSINESS	100 GROSS	60	1	1*
132	MECHANICAL ROOM HATCH	ACCESSORY	300 GROSS	11	1	1*
ANTICIPATED OCCUPANCY					92	55

WORST CASE OCCUPANT CHART	
A	TOTAL OCCUPANT COUNT CALCULATED BY SPACES
B	TOTAL OCCUPANT COUNT CALCULATED FOR BUSINESS USE @100 SF (6,511/100)
C	OCCUPANT LOAD BASED UPON TOTAL NUMBER OF CUSTOMERS AND WAITING SPACE
	92
	66
	55

*EGRESS CAPACITY SHALL BE BASED UPON CALCULATION A OR 92 PERSONS

LEGEND	
SYMBOL	DESCRIPTION
FA-R	FIRE ALARM ACTIVATED DOOR RELEASE, DELAYED EGRESS, PER UL-294
PH	PANIC HARDWARE
REC	ABC FIRE EXTINGUISHER CABINET SUGGESTED LOCATION
6	TRAVEL DISTANCE WITH NOTED DISTANCE.
X" WIDTH 285 CAP	EGRESS DOOR EXIT WIDTH POTENTIAL EGRESS CAPACITY ACTUAL EGRESS CAPACITY
EXIT	EXIT SIGN
EM	EMERGENCY EGRESS LIGHTING (SEE ELECTRICAL LIGHTING PLAN)
EXIT	EXIT SIGN WITH EMERGENCY LIGHTING WITH REMOTE HEADS (ETR)
ROOM LABEL	DESCRIPTION
10	OCCUPANT TOTAL
ENTRY 101	ROOM NAME ROOM NUMBER
MERCANTILE	FUNCTION TYPE
100 SF	SPACE AREA

GOOD HOPE BEHAVIORAL URGENT CARE ALTERATION LEVEL III (BUSINESS):

GROSS SQUARE FOOTAGE OF EXISTING BUILDING: 6,522 SQ. FT.
TYPE OF CONSTRUCTION: II-B
BUILDING IS TO BE USED AS A B (BUSINESS)

OCCUPANT LOAD FOR CALCULATING EGRESS CAPACITY: 92
SPACE OCCUPANCY BY NET SF = 55 (PER 1004.1.1)
(SEE TABLE ON THIS SHEET FOR INDIVIDUAL SPACE TOTALS)
TOTAL OCCUPANT LOAD OF BUILDING (WORST CASE) = 92 PERSONS
92 OCCUPANTS + 0.2/OCCUPANT = 18.4" REQUIRED: 66+88+52 = 186" PROVIDED
GREATEST TRAVEL DISTANCE SHOWN: 107 FEET. (PER 1017)
MAXIMUM ALLOWABLE TRAVEL DISTANCE: 300 FEET (PER TABLE 1017.2)
THE COMMON PATH OF TRAVEL IS LESS THAN 30 FEET. (PER 1029.8)
THERE ARE NO DEAD END CORRIDORS OVER 50 FEET. (PER 1020.4)

THIS BUILDING IS PROTECTED BY FIRE SPRINKLERS
THERE IS A FIRE ALARM SYSTEM
NUMBER OF EXITS REQUIRED: TWO(2) (TABLE 1006.2.1)
(MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE FOR BUSINESS USE WITH FIRE SPRINKLER IS 100 FEET, TABLE 1006.2.1)
NUMBER OF EXITS PROVIDED: THREE(3) EXISTING: ONE(1) ACCESSIBLE TWO(2) INACCESSIBLE
DOORS DO HAVE DELAYED EGRESS LOCKS (PER 1010.1.9.7)
DOORS DO HAVE ELECTROMAGNETIC EGRESS LOCKS (PER 1010.1.9.9)
DOORS DO NOT HAVE HOLD OPEN DEVICES.
EXIT DOORS REQUIRE PANIC HARDWARE.
NO. OF FIRE EXTINGUISHERS PROVIDED:
PROVIDE FIVE (5) NEW FIRE EXTINGUISHER WITH CABINETS IN THIS BUILDING.
FIRE EXTINGUISHER FOR CLASS A FIRE HAZARDS REQUIRE NO GREATER THAN 75 FT OF MAXIMUM TRAVEL DISTANCE IN LOW, ORDINARY AND EXTRA HAZARD OCCUPANCY.

LEGEND:

- 1 HOUR RATED WALL
- 2 HOUR RATED WALL (EXISTING TO REMAIN)

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

DESIGNED/CHECKED BY: KID
DRAWN BY: TS SAN, ED, BT, JC, JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

OWNER/CLIENT: STE GENERAL CONTRACTORS LLC
CONTRACTOR/ARCHITECT: STE GENERAL CONTRACTORS LLC
100 TUGMAN DRIVE, DALLAS, TX 75244

PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: LIFE SAFETY & EGRESS PLAN
LSP



EXISTING CONDITIONS
PERFORM BUILDING DEMOLITION PER G15 DRAWINGS
CONCRETE
POURING & CASTING OF CONCRETE FOOTINGS
(SEE STRUCTURAL DRAWINGS)
POURING & CASTING OF CONCRETE STOOP AND STEPS NEAR THE SPRINKLER RISER ROOM IN REAR
SAW CUT AND CORE DRILL CONCRETE FOR MECHANICAL AND PLUMBING

MASONRY FACADE OF EXTERIOR WALLS
CONSTRUCTION OF FOUNDATION
CONSTRUCTION OF BRICK VENEER SYSTEMS WITH ACCENT BRICK

INSTALLATION OF EXTERIOR LOAD BEARING WALLS
INSTALLATION OF PRE-ENGINEERED WOOD TRUSSES
BLOCKING FOR WALL MOUNTED ACCESSORIES
BLOCKING FOR CABINETRY
INSTALLATION OF METAL FRAMING/FURRING STUDS
WINDOW SILL FRAMING
TRUSSES WITH PLYWOOD

THERMAL INSULATION OF METAL TRUSS ROOF W/ R-49 CLOSED CELL SPRAY FOAM
THERMAL INSULATION OF WOOD TRUSS ROOF W/ R-42 CLOSED CELL SPRAY FOAM
THERMAL INSULATION OF EXTERIOR WALLS WITH R-9.5 CONT. INSULATION (TWO (2) LAYERS OF 2.0" POLYISO)
THERMAL INSULATION OF EXTERIOR WALL WITH R-13 IN THE SPRINKLER RISER ROOM(METAL STUD FRAMING)
THRU-WALL FLASHING AT OPENINGS AND WALL BASE

INSTALLATION OF ONE (1) HOLLOW METAL EXTERIOR DOOR & FRAME, INSTALLATION OF METAL INTERIOR FRAMES & INTERIOR WOOD DOORS, MECHANICAL ACCESS LADDER, ALUMINUM-FRAMED ENTRANCE, AND DOOR HARDWARE (MATCH EXISTING HARDWARE)
INSTALLATION OF INTERIOR WINDOWS
INSTALLATION OF REPLACEMENT EXTERIOR WINDOW (SEE SHEET G5)

APPLICATION OF GYPSUM BOARD, CERAMIC/PORCELAIN TILING, VINYL BASE, LVP, EXTERIOR EIFS, VINYL AND ALUMINUM TRIM, ACOUSTICAL CEILINGS, WALL/CEILING PAINTING, ROOM SIGNAGE, & INTERIOR FINISHING

INSTALLATION OF MANUFACTURED WOOD CASEWORK & COUNTERTOPS

INSTALLATION OF TOILET PARTITIONS AND RESTROOM ACCESSORIES (SEE SHEETS G13.1-G13.5)

INSTALLATION OF LIFE SAFETY DIRECTORIES/SIGNAGE, FIRE EXTINGUISHER BRACKETS, & EGRESS LIGHTING

INSTALLATION OF WALL-MOUNTED RESTROOM FIXTURES, MIRRORS, DISPENSERS, HANDRAILS, & BRAILLE SIGNAGE.

ROUGH IN INSULATED HVAC DUCTWORK W/ SUPPORTS & NOISE/VIBRATION CONTROL.
INSTALLATION OF FANS/CASINGS, GRILLES/RETURNS, INDOOR AIR-HANDLING UNITS, & AIR-SOURCE UNITARY HEAT PUMPS, SPLIT SYSTEM UNITS.
VOLUME/CONTROL DAMPERS, MOTORIZED DAMPERS, FIRE DAMPERS, AND BACKDRAFT DAMPERS.
INSTALLATION OF THERMOSTATS.
PROVIDE DRYER VENT FROM LAUNDRY
TESTING, ADJUSTING, BALANCING OF HVAC SYSTEM.

ROUGH IN MEDIUM-VOLTAGE CABLES, & CONTROL/COMMUNICATION/SIGNAL WIRING
INSTALLATION OF RACEWAY & BOXES FOR ELECTRICAL/COMMUNICATION SYSTEMS, LIGHTING CONTROLS, PANEL BOARDS, WIRING DEVICES, ENCLOSED SWITCHES & CIRCUIT BREAKERS,
INTERIOR/EXTERIOR LIGHTING, SERVICE,
GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
LOW VOLTAGE ROUGH-IN FOR DATA, INTERNET, CAMERA SYSTEM.

ROUGH IN WATER SUPPLY LINES W/ INSULATION
ROUGH IN SANITARY SEWER LINES & VENT PIPING
INSTALLATION OF WATER CLOSETS, LAVATORIES, UTILITY SINK, HI-LO WATER COOLERS.
INSTALLATION OF KITCHEN SINKS, AND FLOOR DRAINS.
INSTALLATION OF WATER HEATERS, EQUIPMENT STANDS, DRAIN PANS, EXPANSION TANK, RE-CIRCULATION PUMP.

INSTALLATION OF SECURITY SYSTEM.
INSTALLATION OF FIRE ALARM EQUIPMENT WHICH MONITORED BY A CENTRAL STATION.
INSTALLATION OF SMOKE DETECTORS, HEAT DETECTORS, FLOW SWITCH.
INSTALLATION OF CARBON MONOXIDE DETECTOR IN KITCHEN AREA.

INSTALLATION OF 2X2 LAY-IN ACOUSTICAL CEILING
INSTALLATION OF VINYL COATED 2X2 LAY-IN CEILING IN WARMING KITCHEN, BREAKROOM AND RESTROOM AREAS.

ROUGH-IN MAIN WATER LINE FOR THE SPRINKLER SYSTEM TO RISER ROOM
INSTALLATION OF WATER SUPPLY LINES FOR THE FIRE SPRINKLER SYSTEM THROUGH OUT THE BUILDING
PROVIDE CONCEALED SPRINKLER HEADS FOR ALL ROOMS & SPACES
PROVIDE UPRIGHT SPRINKLERS IN ATTIC SPACES

1. THE DRAWINGS SHOW THE EXISTING BUILDING SHELL FOLLOWING COMPLETE INTERIOR DEMOLITION. THESE DRAWINGS PROVIDE ORIGINAL CONSTRUCTION DETAILS FROM FIELD SURVEY.
2. THE DRAWINGS INDICATE ORIGINAL CONSTRUCTION OF STRUCTURAL MEMBERS AND FRAMING.
3. THE DRAWINGS INDICATE AREAS WHERE DEMOLITION OF ELEMENTS OR SURFACES IS RESTRICTED.
4. COORDINATE ALL FLOOR AND ATTIC PENETRATIONS IN ADVANCE AND OBTAIN ENGINEER APPROVAL PRIOR TO CUTTING ANY OPENINGS THROUGH FLOOR AND ATTIC SLABS.
5. USE CARE IN DEMOLITION OF EXTERIOR WALLS FOR WALL PENETRATIONS DUE TO HVAC EQUIPMENT INSTALLATION.
6. THE EXISTING WINDOWS WERE REPLACED WITH NEW. USE CARE NOT TO DAMAGE EXISTING REPLACEMENT WINDOWS.
7. SEE SHEET G5 FOR LOCATION OF WINDOW SASH THAT REQUIRES REPLACEMENT.

THIS PROJECT CONSISTS OF A LEVEL-III ALTERATION AND CHANGE OF USE. THE PREVIOUS USE WAS AN INSTITUTIONAL USE (HOSPITAL). THE NEW USE SHALL BE A BEHAVIORAL URGENT CARE (BUSINESS USE).

—SEE EXISTING BUILDING PLANS FOR WALLS, FLOORING, DOORS, AND OTHER EQUIPMENT TO BE REMAIN.
SEE CALLOUT PLAN FOR NEW FLOOR PLAN INFORMATION. SEE DIMENSIONED FLOOR PLAN FOR NEW FLOOR PLAN
DIMENSIONS. CONTRACTOR SHALL COORDINATE CONSTRUCTION OF NEW WALLS WITH EXISTING BUILDING SHELL.

MECHANICAL: THE MECHANICAL SCOPE OF WORK INCLUDES THE ROUGH IN INSULATED HVAC DUCTWORK WITH SUPPLANTS & NOISE/VIBRATION CONTROL. INSTALLATION OF FANS/CASINGS, GRILLES/RETURNS, INDOOR AIR-HANDLING UNITS, & AIR-SOURCE UNITARY HEAT PUMPS. SPLIT SYSTEM UNITS. INSTALLATION OF VOLUME/CONTROL DAMPERS, MOTORIZED DAMPERS, FIRE DAMPERS, AND BACKDRIFT DAMPERS. INSTALLATION OF ECONOMIZER WITH BAROMETRIC RELAY DAMPERS. CONTROL SYSTEMS, AND THERMOSTATS. TESTING, ADJUSTING, BALANCING OF HVAC SYSTEM. MECHANICAL ELECTRICAL: CHASING AND DRILLING FOR GENERAL DRAWINGS FOR THE EXISTING STRUCTURAL CEILING SYSTEM FOR ALLOWABLE AREAS OF DUCT PENETRATIONS.

ELECTRICAL: THE ELECTRICAL SCOPE OF WORK INCLUDES THE COMPLETE REPLACEMENT OF THE BUILDING'S ELECTRICAL SYSTEM AS IT WAS PREVIOUSLY STRIPPED OF ALL COMPONENTS, INCLUDING LIGHTING, RECEPTACLES, CONDUITS, SERVICE EQUIPMENT AND THE ORIGINAL PAD-MOUNTED TRANSFORMER, A NEW 400A, 3-PHASE, 4-WIRE 208-120V SERVICE ENTRANCE TO BE INSTALLED AT THE MAIN BUILDING ENTRY, A NEW 600 AMP, 3-PHASE, 4-WIRE 208-120V SERVICE ENTRANCE TO BE FED UNDERGROUND FROM A NEW POLE-MOUNTED TRANSFORMER, NEW INSTALLATION OF INTERIOR LIGHTING, RECEPTACLES, AND BRANCH CIRCUITS FOR EQUIPMENT, LOW-VOLTAGE FOR DEVICES, AND A FIRE ALARM SYSTEM. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS AND DRAWINGS FOR THE EXISTING STRUCTURE, FOUNDATION AND CEILING SYSTEMS FOR ALLOWABLE AREAS OF PENETRATION/ PENETRATIONS.

PLUMBING THE PLUMBING SCOPE OF WORK INCLUDES THE COMPLETE REPLACEMENT THE PLUMBING AND PLUMBING SYSTEM FOR AN EXISTING GOLD SHALE BUILDING WHERE ALL EXISTING SERVICE, WATER AND WASTE PIPING, AND PLUMBING FIXTURES HAVE BEEN REMOVED, PROVIDING NEW DOMESTIC WATER AND SANITARY SEWER LINES TO SERVE THE BUILDING'S NEW LAYOUT. INSTALLATION OF A NEW WATER METER AND BACKFLOW PREVENTER (TO BE COORDINATED WITH THE SITE PLAN), NEW WATER AND WASTE PIPING FOR ALL PLUMBING FIXTURES, A WATER HEATER WITH A RECIRCULATION SYSTEM, AND A COMPLETE VENT SYSTEM EXTENDED TO THE ROOF. ALL CONNECTIONS TO THE EXISTING PROPERTY'S UTILITY MAINS SHALL BE MADE AS REQUIRED. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT FOR THE ALLOWANCES FOR THE EXISTING STRUCTURAL FOUNDATION AND CEILING SYSTEM FOR ALLOWABLE AREAS OF PIPE PENETRATIONS.

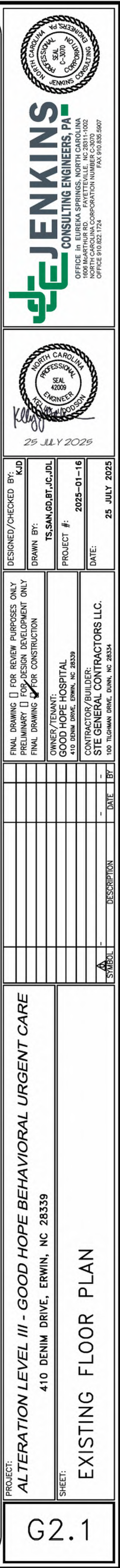
1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW ALL OF THE DETAILS, MATERIALS AND METHODS REQUIRED TO COMPLETE CONSTRUCTION. THE DRAWING PACKAGE AS A WHOLE SHOULD BE USED TO UPGIT THE SPACE AS DESCRIBED. THERE ARE NO TECHNICAL SPECIFICATIONS INCLUDED IN THESE CONSTRUCTION DOCUMENTS. THE PLANS DO NOT INCLUDE FINISH MATERIALS AND COLORS OF SELECTED ITEMS. MATERIAL SELECTIONS AND COLORS SHALL BE COORDINATED WITH OWNER.
2. THE EXISTING INTERIOR SURFACES OF EXTERIOR WALLS AND OTHER INTERIOR WALLS THAT ARE TO REMAIN SHALL BE PATCHED WITH GWS MUD AND OR SPACKLING TO OBTAIN A UNIFORM AND MATCHING FINISH. ALL NEW WALLS SHALL BE FINISHED TO A SIMILAR LEVEL 4 FINISH GRADE.
3. EXISTING FLOORS SHALL BE SAW-CUT WITH WET DIAMOND BLADES FOR NEW PLUMBING ROUGH-INS. THESE FLOORS SHALL BE PROPERLY BACKFILLED AND FINISHED FLUSH WITH THE ORIGINAL FLOOR SURFACES.
4. DIMENSIONS ARE TO FINISHED FACE OF INTERIOR STUD WALLS UNLESS OTHERWISE NOTED.
5. THE CONTRACTOR SHALL COORDINATE ALL WORK AND ADJUST TO THE ACTUAL CONDITIONS ENCOUNTERED IN THE FIELD. COORDINATION OF WORK BETWEEN THE VARIOUS TRADES IS ALSO REQUIRED. THE CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONAL OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
6. THE CONTRACTOR SHALL COORDINATE WORK, TRADES, AND SHALL VERIFY DIMENSIONS, MEANS AND METHODS OF CONSTRUCTION, EXISTING CONDITIONS AND PROPOSED NEW CONSTRUCTION PRIOR TO COMMENCING ANY WORK, MATERIAL ORDERING, OR FABRICATION.
7. WORK SHALL BE FIRST CLASS TO THE ENTIRE SATISFACTION OF THE OWNER.
8. COORDINATE ALL ELECTRICAL/PLUMBING/MECHANICAL ROUGH-IN FOR THE EXISTING BUILDING. DO NOT CUT OR MODIFY EXISTING FRAMING OR BUILDING ELEMENTS WITHOUT APPROVAL OF OWNER AND DESIGN PROFESSIONALS.
9. ALL NEW INTERIOR WALLS ARE DETAILS ON THE PLANS.
10. PATCH & REPAIR: THE CONTRACTOR SHALL PATCH AND/OR REPAIR WITH NEW ANY WORK DAMAGED OR DISTURBED CAUSED BY THE CONTRACTOR AS A RESULT OF PROVIDING FOR OR INSTALLING NEW WORK SHOWN ON THE CONTRACT DOCUMENTS.
11. CAULK ALL PENETRATION, OUTLETS, ETC. ON ALL DEMISING PARTITIONS. LEAVE ALL WORK COMPLETE AND READY FOR THE INTENDED USE.
12. ALL CONSTRUCTION MATERIALS AND DEBRIS WILL BE REMOVED FROM THE SITE UPON COMPLETION. THE CONTRACTOR SHALL PROVIDE CLEANING SERVICES FOR THE OWNER SPACE AND DELIVER THE PROJECT COMPLETED.
13. PROVIDE BLOCKING IN WALLS AT MILLWORK, HARDWARE & ACCESSORIES LOCATIONS. BLOCKING CAN BE WOOD.
14. CONSTRUCTION TO COMPLY WITH ALL STATE AND LOCAL CODES.

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

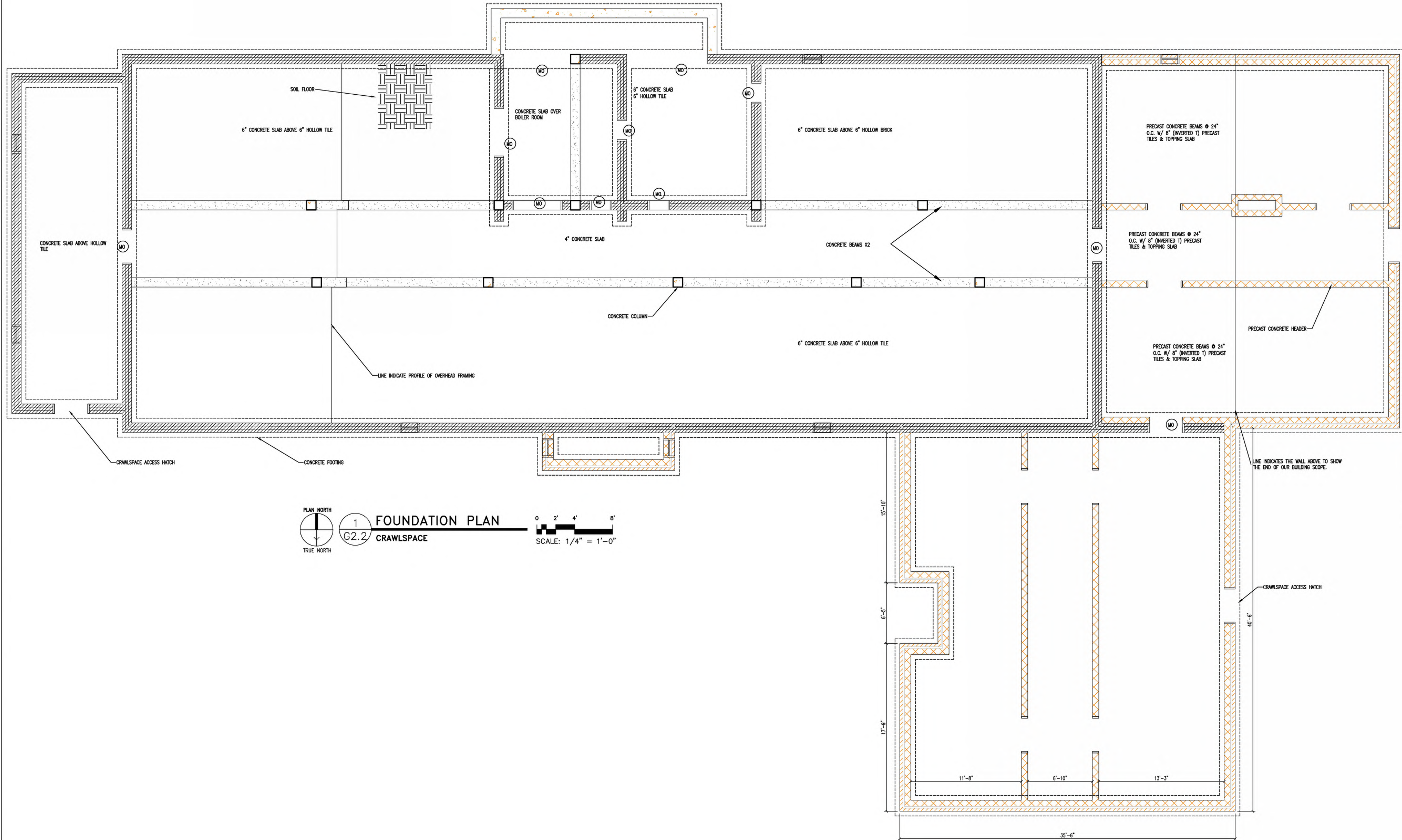
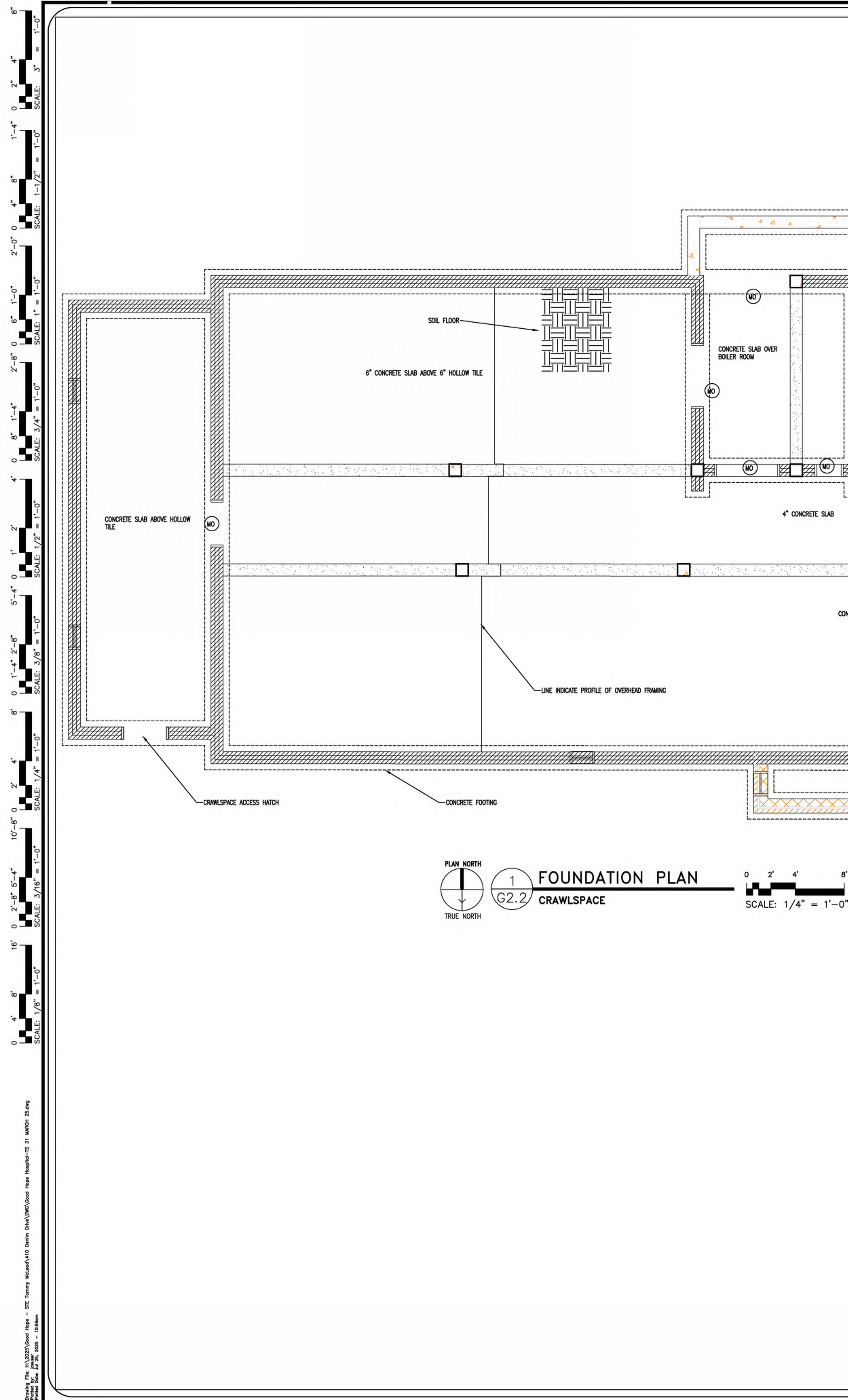
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PROJECT: **ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE**
410 DENIM DRIVE, ERWIN, NC 28339
771-771-XXXX

G 1



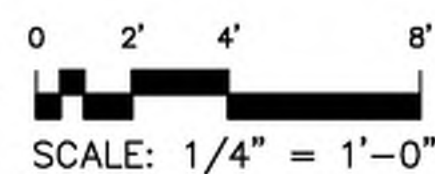
THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM



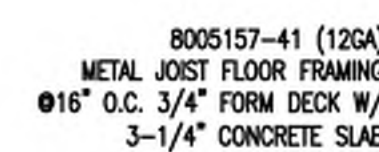
PLAN NORTH
TRUE NORTH

1
G2.2

FOUNDATION PLAN
CRAWLSPACE



THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM



0 2' 4' 8'



SCALE: $\frac{1}{4}'' = 1'-0''$

JENKINS
CONSULTING ENGINEERS, PA
OFFICE IN EUREKA SPRINGS, NORTH CAROLINA
1000 EUREKA SPRINGS ROAD, SUITE 1002
EUREKA SPRINGS, NORTH CAROLINA 28743-0002
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DRAWN BY:	TS,SAN,GD,BT,JC,JDL
PROJECT #:	2025-01-16
DATE:	25 JULY 2025

FINAL DRAWING  FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28539

CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28534

AL I E R A T I O N L E V E L I I I - G O O D H O P E B E H A V I O R A L U R G E N I C A R E
410 DENIM DRIVE, ERWIN, NC 28339
SHEFFY.

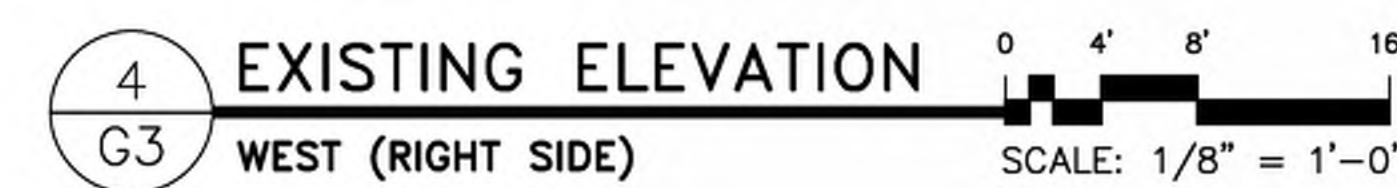
410 DENIM DRIVE, ERWIN, NC 28339

EXISTING GROUND FLOOR FRAMING PLAN

G2.3



JENKINS CONSULTING ENGINEERS, P.A. OFFICE IN BURKE SHIRMS, NORTH CAROLINA 10000 WOODBURN DRIVE, SUITE 1002 FARMERSVILLE, NORTH CAROLINA 28731-1922 P.O. BOX 910, 823.1774	
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JENKINS
CONSULTING ENGINEERS, PA

OFFICE IN: EUREKA SPRINGS, NORTH CAROLINA
 1000 EUREKA SPRINGS DRIVE
 NORTH CAROLINA CORPORATION NUMBER C-3070
 OFFICE 910.622.1724
 FAX 910.635.5907



DESIGNED/CHECKED BY:	KJD
DRAWN BY:	TS,SAN,GD,BT,J.C,JDL
PROJECT #:	2025-01-16
DATE:	25 JULY 2025

FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☒ FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28539

CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
400 W. HANCOCK ST., SUITE 100, GASTON, NC 28043

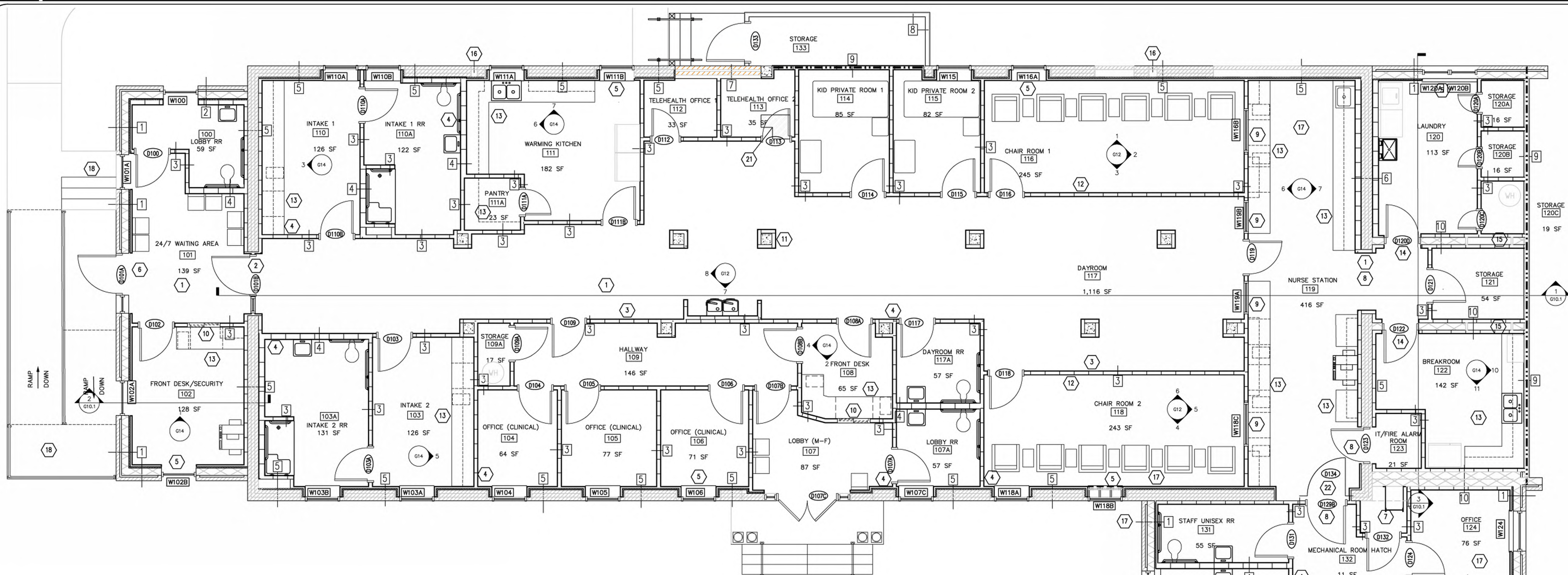
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PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339
SUBJECT:

BUILDING ELEVATIONS

G3

0' 4' 8' 12' 16' 20' 24' 28' 32' 36' 40' 44' 48' 52' 56' 60' 64' 68' 72' 76' 80' 84' 88' 92' 96' 100' 104' 108' 112' 116' 120' 124' 128' 132' 136' 140' 144' 148' 152' 156' 160' 164' 168' 172' 176' 180' 184' 188' 192' 196' 200' 204' 208' 212' 216' 220' 224' 228' 232' 236' 240' 244' 248' 252' 256' 260' 264' 268' 272' 276' 280' 284' 288' 292' 296' 300' 304' 308' 312' 316' 320' 324' 328' 332' 336' 340' 344' 348' 352' 356' 360' 364' 368' 372' 376' 380' 384' 388' 392' 396' 400' 404' 408' 412' 416' 420' 424' 428' 432' 436' 440' 444' 448' 452' 456' 460' 464' 468' 472' 476' 480' 484' 488' 492' 496' 500' 504' 508' 512' 516' 520' 524' 528' 532' 536' 540' 544' 548' 552' 556' 560' 564' 568' 572' 576' 580' 584' 588' 592' 596' 600' 604' 608' 612' 616' 620' 624' 628' 632' 636' 640' 644' 648' 652' 656' 660' 664' 668' 672' 676' 680' 684' 688' 692' 696' 700' 704' 708' 712' 716' 720' 724' 728' 732' 736' 740' 744' 748' 752' 756' 760' 764' 768' 772' 776' 780' 784' 788' 792' 796' 800' 804' 808' 812' 816' 820' 824' 828' 832' 836' 840' 844' 848' 852' 856' 860' 864' 868' 872' 876' 880' 884' 888' 892' 896' 900' 904' 908' 912' 916' 920' 924' 928' 932' 936' 940' 944' 948' 952' 956' 960' 964' 968' 972' 976' 980' 984' 988' 992' 996' 1000'

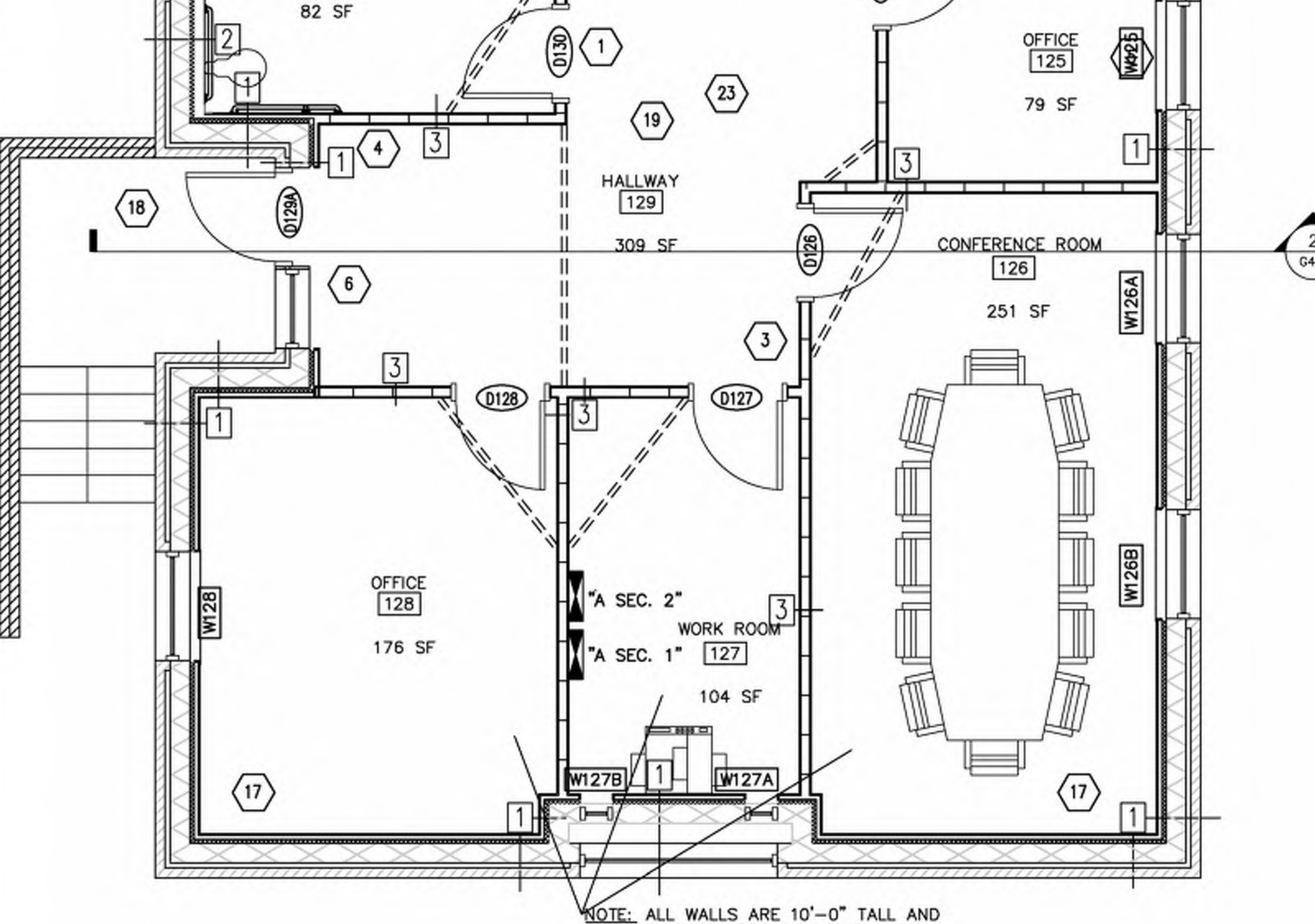


WALL LEGEND		
TAG	SYMBOL	DESCRIPTION
1		EXISTING EXTERIOR BUILDING MASONRY WALL OF BRICK VENEER EXTERIOR AND 8-INCH CMU INTERIOR. INSTALL 1.5" THICK (R-9.5 C.I.) INSULATION ATTACHED TO CMU WITH ADHESIVE. FURR-OUT AND CONCEAL INSULATION WITH 1-5/8" METAL STUDS, 20GA AND FINISH WALL WITH 5/8" GWB. PROVIDING ADDITIONAL FURRING DEPTH AS REQUIRED FOR PLUMBING AND ELECTRICAL ROUGH-INS. FINISH WALLS AT WINDOWS AND DOOR OPENINGS AS REQUIRED.
2		SAME WALL DESCRIBED AS WALL TYPE 1. ADJUST FURRING DEPTH FOR PLUMBING ROUGH-IN AT LAVATORY.
3		INTERIOR PARTITION FRAMED WITH 3-5.8" METAL STUDS, 20 GA. FINISH BOTH SIDES OF WALL WITH 5/8" GWB. PROVIDE MOISTURE RESISTANT GMB IN WET LOCATIONS INSULATE RESTROOM WALLS WITH ROCK-WOOL SOUND BATTS WHERE INDICATED.
4		INTERIOR PARTITION FRAMED WITH 6" METAL STUDS, 20 GA. FINISH BOTH SIDES OF WALL WITH 5/8" GWB. PROVIDE MOISTURE RESISTANT GMB IN WET LOCATIONS INSULATE RESTROOM WALLS WITH ROCK-WOOL SOUND BATTS WHERE INDICATED.
5		EXISTING EXTERIOR BUILDING MASONRY WALL OF BRICK VENEER EXTERIOR AND TWO WITNES OF 4-INCH THICK HOLLOW CLAY-TILE MASONRY UNITS. AT INTERIOR INSTALL 1.5" THICK (R-9.5 C.I.) INSULATION ATTACHED TO INTERIOR FACE OF CLAY-TILE MASONRY WITH ADHESIVE. CONCEAL INSULATIONS WITH 1-5/8" 20GA METAL STUDS & 5/8" GWB. THIS FURRING DEPTH SHALL VARY AS REQUIRED WALL THICKNESS FOR PLUMBING AND ELECTRICAL ROUGH-INS. FINISH WALLS AT WINDOW AND DOOR OPENINGS AS REQUIRED.
6		NOT USED
7		SAME WALL DESCRIBED AS WALL TYPE 4. PROVIDE TWO LAYERS OF 5/8" GWB ON INTERIOR SIDE OF WALL. INSULATE WALL STUD CAVITY WITH R-19 BATT INSULATION PROVIDE R-9.5 CONTINUOUS INSULATION AND PROVIDE ONE LAYER OF 1/2" DENGGLASS AND 1-1/4" EIFS
8		NEW EXTERIOR WALL. CONSTRUCTED WITH 6" METAL STUDS, 20 GA. INSULATE WALL STUD CAVITY WITH R-19 BATT INSULATION. PROVIDE 1 LAYER OF 1/2" DENGGLASS ON INSIDE OF WALL. INSTALL 2-LAYERS OF 1" DENGGLASS ON EXTERIOR WALL AND INSTALL HORIZONTAL HARD-PLANK SIDING SHEATHING ON EXTERIOR WALL. INSTALL HORIZONTAL HARD-PLANK SIDING.
9		EXISTING 2-HOUR DEMISING WALL. NO WORK REQUIRED WALL IS TYPE UL-1419 2-LAYERS OF 5/8" GWB ON EACH SIDE OF STUDS.
10		EXISTING INTERIOR 8-INCH CMU WALL. FURR OUT WALL WITH 1-5/8" 20GA METAL STUDS & 5/8" GWB AT EACH SIDE

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
1ST GRADE 103	ROOM NAME ROOM NUMBER
1	WALL TYPE, SEE WALL LEGEND, THIS SHEET
61	DETAIL NUMBER SECTION/DETAIL TAG SHEET NUMBER
W110	WINDOW & WINDOW NUMBER SEE WINDOW SCHEDULE FOR DETAILS
+2'-4"	SPOT ELEVATIONS
D1	DOOR & DOOR NUMBER SEE DOOR SCHEDULE FOR DETAILS
EA	ELECTRICAL PANEL

NOTE: SOME FURNITURE IS SHOWN TO ILLUSTRATE GENERAL USE OF THE FACILITY. FURNITURE IS NOT INCLUDED IN THIS SCOPE OF RENOVATIONS. MILLWORK AND BUILT-IN ITEMS WILL BE FURNISHED AND INSTALLED IN THE PROJECT.

- BUILDING CONSTRUCTION KEYED NOTES**
- PATCH & PREPARE CONCRETE FLOOR SURFACES BY GRINDING HIGH SPOTS AND FILLING LOW SPOTS. WITH ARDEX CONCRETE PATCH OR EQUIVALENT NON-SHRINK PATCH. FLOORS SHALL BE FLAT TO 1/8-INCH WHEN MEASURED WITH A 10-FOOT STRAIGHT EDGE.
 - SAW CUT THE EXISTING MASONRY FOR INSTALLATION OF NEW HOLLOW METAL FRAME FOR DOOR AND SIDE LIGHT. FRAME SHALL BE SET AND MASONRY LAID TO TIE FRAME TO THE EXISTING MASONRY ROUGH OPENING. DOOR SHALL BE 42-INCHES WIDE AND 84-INCHES TALL. SEE DOOR SCHEDULE FOR ADDITIONAL REQUIREMENTS.
 - CONSTRUCT NEW INTERIOR PARTITION WALLS WITH METAL STUDS AND GYPSUM WALL BOARD. SEE WALL TAGS AND WALL SECTIONS AND DETAILS. WALLS SHALL EXTEND TO THE ATTIC DECK ABOVE.
 - PROVIDE RESTROOM WALLS WITH INTERIOR SOUND-DEADENING INSULATION TYPE BATTS BETWEEN THE STUDS *PROVIDE OWNER WITH OPTION FOR INSTALLATION OF SOUND-DEADENING BATTS IN ALL INTERIOR PARTITIONS.
 - PROVIDE METAL STUD FRAMING AT EXISTING WINDOWS TO ALLOW FOR JAMB, HEAD AND SILL FINISHES. SEE DETAILS G10.1 TYPICAL OF ALL WINDOWS.
 - PROVIDE NEW DOOR THRESHOLD AT EXTERIOR DOOR TO PROVIDE FLUSH TRANSITION FROM EXTERIOR CONCRETE SLAB AND INTERIOR FINISHED FLOORING. REPLACE DOOR, HARDWARE, SIDELIGHT AND TRANSOM GLAZING.
 - PROVIDE NEW ATTIC ACCESS LADDER MOUNTED TO THE WALL IN ROOM 132 SEE DETAILS G15.3
 - PROVIDE NEW DOOR FRAME OR CASER OPENING FRAME IN EXISTING MASONRY OPENING.
 - PROVIDE FIXED GLASS OBSERVATION WINDOWS AT NURSES STATION EAST WALL.
 - PROVIDE HORIZONTAL SLIDING WINDOWS FOR SERVICE AT FRONT DESKS 102 & 108.
 - PROVIDE METAL STUD FRAMING TO WRAP EXISTING CONCRETE COLUMNS.
 - PROVIDE 12" X 1" THICK WALL GUARDS (CHAIR RAIL) AT 42" HEIGHT.
 - PROVIDE MILL WORK AT NURSES STATION, INTAKE ROOMS, FRONT DESKS, STAFF BREAKROOM, PANTRY, & WARMING KITCHEN. SEE DETAILS ON G14.1
 - INSTALL NEW MASONRY HEADER ABOVE NEW DOOR AND FRAME. OPTIONAL SQUEEZE LINTEL MAY BE USED. SEE DETAIL ON G2.1.
 - REMOVE EXISTING DOOR AND ABANDON THE METAL DOOR FRAMES. INFILL WALL OPENING WITH NEW METAL STUD PARTITION.
 - MAINTAIN THE EXISTING MASONRY CHASE FOR INSTALLATION OF HVAC LINE SETS. SEAL PENETRATIONS AT FLOOR SLAB AND ATTIC SLAB PRIOR TO FURRING OVER CHASE.
 - INSTALL NEW WALL INSULATION (R-9.5 CONTINUOUS INSULATION) ON EXTERIOR WALL SURFACES FROM FLOOR TO ROOF FRAMING. INSULATE THE EXTERIOR KNEE WALL ABOVE THE ATTIC SLAB.
 - PRESSURE WASH AND REPAIR MASONRY STEPS, STOOP, AND RAMP AT EXISTING ENTRANCES. PRIME AND PAINT HANDRAILS.
 - INSTALL R-19 (MINIMUM) INSULATION BATTS IN METAL JOIST FLOOR FRAMING SYSTEM IN THE RIGHT-FRONT ADDITION AREA.
 - PROVIDE OWNER WITH A PROPOSAL FOR OPTIONAL SOUND-BATT INSTALLATION IN ALL INTERIOR WALLS FOR SOUND DEADENING. SEE KEYED NOTE #4.
 - INSTALL 1/4" STEEL PLATE OVER ATTIC ACCESS OPENING
 - INSTALL 45MIN. RATED DOOR IN EXISTING FRAME LOCATED ON ATTIC FLOOR
 - ALL NEW INTERIOR PARTITION WALLS IN THIS AREA SHALL BE OVERHEAD BRACED WITH 6-INCH METAL STUDS ATTACHED TO TOP PLATE OF PARTITION



PLAN NORTH
TRUE NORTH
1 G5
SCALE: 1/4" = 1'-0"

LEGEND:
1 HOUR RATED WALL
2 HOUR RATED WALL
(EXISTING TO REMAIN)

JENKINS
CONSULTING ENGINEERS, PA
OFFICE IN BUREAU SPRINGS, NORTH CAROLINA
100 TUGMAN DRIVE, SUITE 200
BUREAU SPRINGS, NC 28339
PHONE: 704.333.9977

25 JULY 2025
DESIGNED/CHECKED BY: KID
DRAWN BY: TS SAN, ED BY: JC, JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025
OWNER/CLIENT: STE GENERAL CONTRACTORS LLC
CONTRACTOR/INSTALLER: STE GENERAL CONTRACTORS LLC
100 TUGMAN DRIVE, SUITE 200, BUREAU SPRINGS, NC 28339

PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

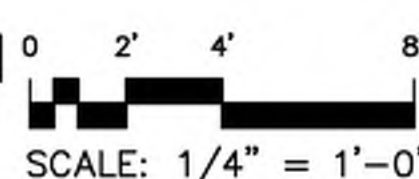
SHEET: CALLOUT FLOOR PLAN & NOTES

G5

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM



DIMENSIONED FLOOR PLAN



-WINDOW SILL HEIGHT IS 8"
HIGHER AT THIS LOCATION



FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☒ FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENNI DRIVE, ERWIN, NC 28539

CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.

PROJECT: **AL TERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE**
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: **DIMENSIONED FLOOR PLAN**

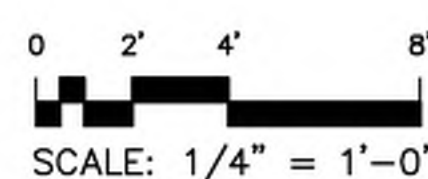
G6.1

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

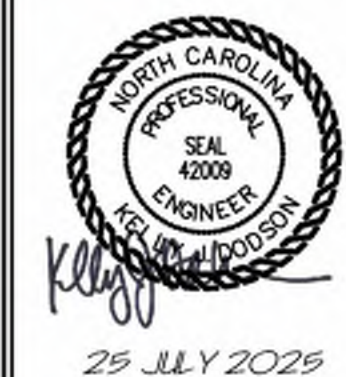


1
G6.2

GROUND FLOOR PLUMBING PENETRATIONS



THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM



DESIGNED/CHECKED BY:	KJD
DRAWN BY:	TS,SAN,GD,BT,J.C,JDL
PROJECT #:	2025-01-16
DATE:	

FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☒ FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, EDWIN, NC 28539

CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC

[illegible]

PROJECT:
ALTERNATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

ET: FLOOR SLAB PLUMBING PENETRATIONS

G6.2



THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

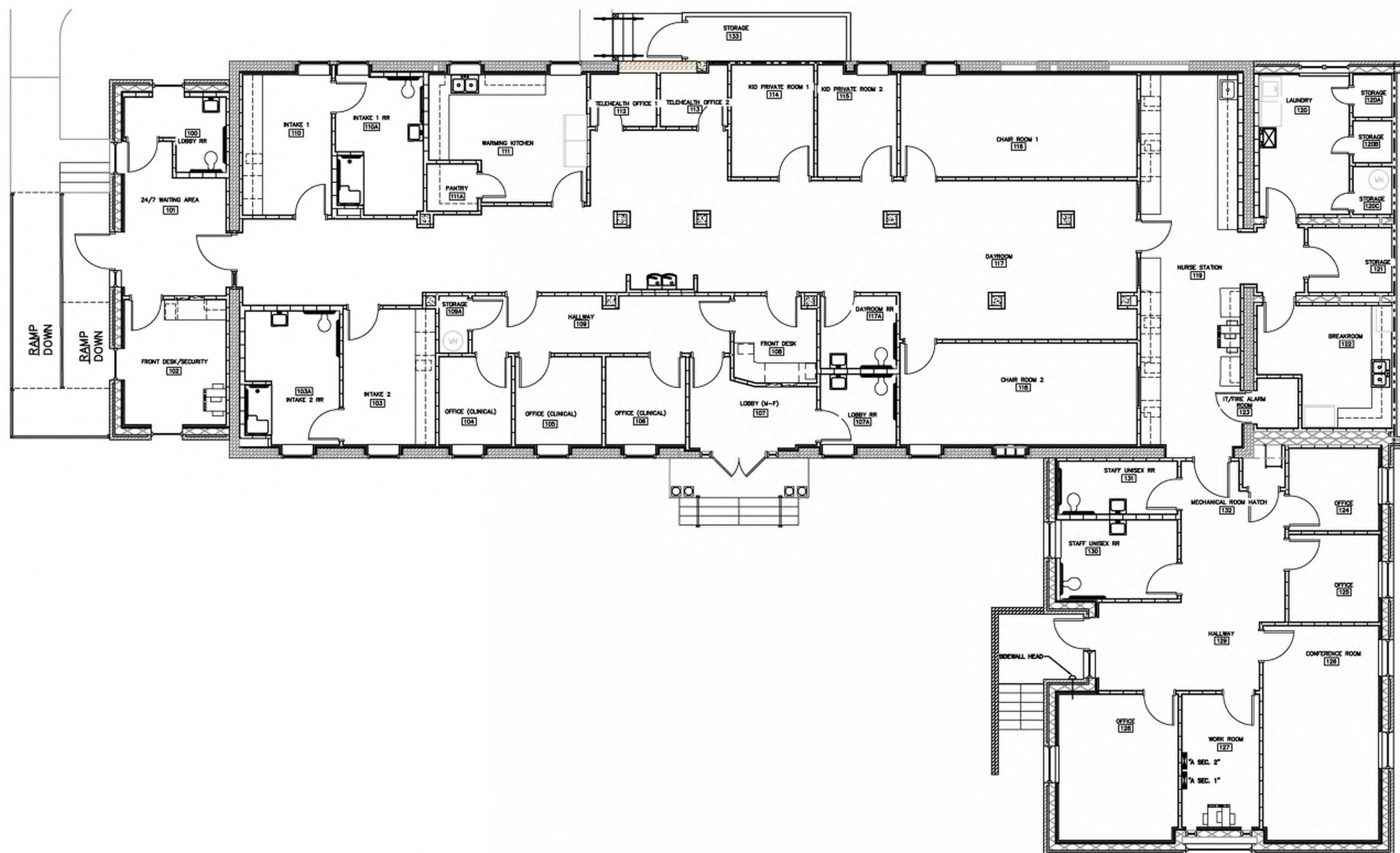
8' 1'-0" 2'-0" 4'-0" 6'-0" 8'-0" 10'-0" 12'-0" 14'-0" 16'-0" 18'-0" 20'-0" 22'-0" 24'-0" 26'-0" 28'-0" 30'-0" 32'-0" 34'-0" 36'-0" 38'-0" 40'-0" 42'-0" 44'-0" 46'-0" 48'-0" 50'-0" 52'-0" 54'-0" 56'-0" 58'-0" 60'-0" 62'-0" 64'-0" 66'-0" 68'-0" 70'-0" 72'-0" 74'-0" 76'-0" 78'-0" 80'-0" 82'-0" 84'-0" 86'-0" 88'-0" 90'-0" 92'-0" 94'-0" 96'-0" 98'-0" 100'-0" 102'-0" 104'-0" 106'-0" 108'-0" 110'-0" 112'-0" 114'-0" 116'-0" 118'-0" 120'-0" 122'-0" 124'-0" 126'-0" 128'-0" 130'-0" 132'-0" 134'-0" 136'-0" 138'-0" 140'-0" 142'-0" 144'-0" 146'-0" 148'-0" 150'-0" 152'-0" 154'-0" 156'-0" 158'-0" 160'-0" 162'-0" 164'-0" 166'-0" 168'-0" 170'-0" 172'-0" 174'-0" 176'-0" 178'-0" 180'-0" 182'-0" 184'-0" 186'-0" 188'-0" 190'-0" 192'-0" 194'-0" 196'-0" 198'-0" 200'-0" 202'-0" 204'-0" 206'-0" 208'-0" 210'-0" 212'-0" 214'-0" 216'-0" 218'-0" 220'-0" 222'-0" 224'-0" 226'-0" 228'-0" 230'-0" 232'-0" 234'-0" 236'-0" 238'-0" 240'-0" 242'-0" 244'-0" 246'-0" 248'-0" 250'-0" 252'-0" 254'-0" 256'-0" 258'-0" 260'-0" 262'-0" 264'-0" 266'-0" 268'-0" 270'-0" 272'-0" 274'-0" 276'-0" 278'-0" 280'-0" 282'-0" 284'-0" 286'-0" 288'-0" 290'-0" 292'-0" 294'-0" 296'-0" 298'-0" 300'-0" 302'-0" 304'-0" 306'-0" 308'-0" 310'-0" 312'-0" 314'-0" 316'-0" 318'-0" 320'-0" 322'-0" 324'-0" 326'-0" 328'-0" 330'-0" 332'-0" 334'-0" 336'-0" 338'-0" 340'-0" 342'-0" 344'-0" 346'-0" 348'-0" 350'-0" 352'-0" 354'-0" 356'-0" 358'-0" 360'-0" 362'-0" 364'-0" 366'-0" 368'-0" 370'-0" 372'-0" 374'-0" 376'-0" 378'-0" 380'-0" 382'-0" 384'-0" 386'-0" 388'-0" 390'-0" 392'-0" 394'-0" 396'-0" 398'-0" 400'-0" 402'-0" 404'-0" 406'-0" 408'-0" 410'-0" 412'-0" 414'-0" 416'-0" 418'-0" 420'-0" 422'-0" 424'-0" 426'-0" 428'-0" 430'-0" 432'-0" 434'-0" 436'-0" 438'-0" 440'-0" 442'-0" 444'-0" 446'-0" 448'-0" 450'-0" 452'-0" 454'-0" 456'-0" 458'-0" 460'-0" 462'-0" 464'-0" 466'-0" 468'-0" 470'-0" 472'-0" 474'-0" 476'-0" 478'-0" 480'-0" 482'-0" 484'-0" 486'-0" 488'-0" 490'-0" 492'-0" 494'-0" 496'-0" 498'-0" 500'-0" 502'-0" 504'-0" 506'-0" 508'-0" 510'-0" 512'-0" 514'-0" 516'-0" 518'-0" 520'-0" 522'-0" 524'-0" 526'-0" 528'-0" 530'-0" 532'-0" 534'-0" 536'-0" 538'-0" 540'-0" 542'-0" 544'-0" 546'-0" 548'-0" 550'-0" 552'-0" 554'-0" 556'-0" 558'-0" 560'-0" 562'-0" 564'-0" 566'-0" 568'-0" 570'-0" 572'-0" 574'-0" 576'-0" 578'-0" 580'-0" 582'-0" 584'-0" 586'-0" 588'-0" 590'-0" 592'-0" 594'-0" 596'-0" 598'-0" 600'-0" 602'-0" 604'-0" 606'-0" 608'-0" 610'-0" 612'-0" 614'-0" 616'-0" 618'-0" 620'-0" 622'-0" 624'-0" 626'-0" 628'-0" 630'-0" 632'-0" 634'-0" 636'-0" 638'-0" 640'-0" 642'-0" 644'-0" 646'-0" 648'-0" 650'-0" 652'-0" 654'-0" 656'-0" 658'-0" 660'-0" 662'-0" 664'-0" 666'-0" 668'-0" 670'-0" 672'-0" 674'-0" 676'-0" 678'-0" 680'-0" 682'-0" 684'-0" 686'-0" 688'-0" 690'-0" 692'-0" 694'-0" 696'-0" 698'-0" 700'-0" 702'-0" 704'-0" 706'-0" 708'-0" 710'-0" 712'-0" 714'-0" 716'-0" 718'-0" 720'-0" 722'-0" 724'-0" 726'-0" 728'-0" 730'-0" 732'-0" 734'-0" 736'-0" 738'-0" 740'-0" 742'-0" 744'-0" 746'-0" 748'-0" 750'-0" 752'-0" 754'-0" 756'-0" 758'-0" 760'-0" 762'-0" 764'-0" 766'-0" 768'-0" 770'-0" 772'-0" 774'-0" 776'-0" 778'-0" 780'-0" 782'-0" 784'-0" 786'-0" 788'-0" 790'-0" 792'-0" 794'-0" 796'-0" 798'-0" 800'-0" 802'-0" 804'-0" 806'-0" 808'-0" 810'-0" 812'-0" 814'-0" 816'-0" 818'-0" 820'-0" 822'-0" 824'-0" 826'-0" 828'-0" 830'-0" 832'-0" 834'-0" 836'-0" 838'-0" 840'-0" 842'-0" 844'-0" 846'-0" 848'-0" 850'-0" 852'-0" 854'-0" 856'-0" 858'-0" 860'-0" 862'-0" 864'-0" 866'-0" 868'-0" 870'-0" 872'-0" 874'-0" 876'-0" 878'-0" 880'-0" 882'-0" 884'-0" 886'-0" 888'-0" 890'-0" 892'-0" 894'-0" 896'-0" 898'-0" 900'-0" 902'-0" 904'-0" 906'-0" 908'-0" 910'-0" 912'-0" 914'-0" 916'-0" 918'-0" 920'-0" 922'-0" 924'-0" 926'-0" 928'-0" 930'-0" 932'-0" 934'-0" 936'-0" 938'-0" 940'-0" 942'-0" 944'-0" 946'-0" 948'-0" 950'-0" 952'-0" 954'-0" 956'-0" 958'-0" 960'-0" 962'-0" 964'-0" 966'-0" 968'-0" 970'-0" 972'-0" 974'-0" 976'-0" 978'-0" 980'-0" 982'-0" 984'-0" 986'-0" 988'-0" 990'-0" 992'-0" 994'-0" 996'-0" 998'-0" 1000'-0"

FINISH SCHEDULE																			
RM NUMBER	RM NAME	ROOM AREA (NET SF)	FLOOR FINISH	BASE MATERIAL	WALL MATERIALS				WALL FINISHES				CEILING		WINDOWS				DOORS
					N	S	W	E	N	S	W	E	HEIGHT	MATERIAL	QTY	GLASS	TYPE	SILL	
100	LOBBY RR	59	CER	CERAMIC	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	NEW	OBSCURE	CER	1
101	24/7 WAITING AREA	139	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	4	-	-	SSS	1
102	FRONT DESK/SECURITY	128	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	2	-	-	BL	1
103	INTAKE 2	126	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	-	-	SSS	1
103A	INTAKE 2 RR	131	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, EP	PR, B, EP	PR, B, EP	PR, B, EP	8'-6"	ACT	1	-	-	SSS	1
104	OFFICE (CLINICAL)	64	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, EP	PR, B, EP	PR, B, EP	PR, B, EP	8'-6"	ACT	1	-	-	SSS	1
105	OFFICE (CLINICAL)	77	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, EP	PR, B, EP	PR, B, EP	PR, B, EP	8'-6"	ACT	1	-	-	SSS	1
106	OFFICE (CLINICAL)	71	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	-	-	SSS	1
107	LOBBY (M-F)	87	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	2	-	-	SSS	1
107A	LOBBY RR	57	CER	CERAMIC	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	NEW	OBSCURE	CER	1
108	FRONT DESK	65	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	2	-	-	SSS	1
109	HALLWAY	146	LVP	VINYL	GWB	GWB	GWB	GWB	F	F	PR, B, F	F	8'-6"	ACT	-	-	-	-	2
109A	MAINTENANCE ROOM	17	LVP	VINYL	GWB	GWB	GWB	GWB	F	F	PR, B, F	F	8'-6"	ACT	-	-	-	-	1
110	INTAKE 1	126	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	-	-	SSS	1
110A	INTAKE 1 RR	122	CER	CERAMIC	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	NEW	OBSCURE	CER	1
111	WARMING KITCHEN	142	LVP	LVP	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	2	-	-	SSS	1
111A	PANTRY	25	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, EP	PR, B, EP	PR, B, EP	PR, B, EP	8'-6"	ACT	-	-	-	-	1
112	TELEHEALTH OFFICE 1	35	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	-	-	-	-	1
113	TELEHEALTH OFFICE 2	38	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	-	-	-	-	1
114	KID PRIVATE ROOM 1	85	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	-	-	-	-	1
115	KID PRIVATE ROOM 2	82	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	1	-	-	SSS	1
116	CHAIR ROOM 1	245	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	-	-	-	-	1
117	DAYROOM	1,116	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	-	-	-	-	1
117A	DAYROOM RR	57	CER	CERAMIC	GWB	GWB	GWB	GWB	F	F	PR, B, F	F	8'-6"	ACT	-	-	-	-	2
118	CHAIR ROOM 2	243	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	2	-	-	SSS	1
119	NURSE STATION	416	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	-	-	-	-	1
120	LAUNDRY ROOM	113	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	-	-	SSS	1
120A	STORAGE	16	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, EP	PR, B, EP	PR, B, EP	PR, B, EP	8'-6"	ACT	-	-	-	-	1
120B	STORAGE	16	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	-	-	-	-	1
120C	STORAGE	19	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	-	-	-	-	1
121	STORAGE	54	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	-	-	-	-	1
122	STAFF BREAKROOM	142	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	-	-	-	-	1
123	IT/FIRE ALARM ROOM	21	SC	CERAMIC	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	-	-	-	-	1
124	OFFICE	74	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	-	-	SSS	1
125	OFFICE	79	LVP	VINYL	GWB	GWB	GWB	GWB	F	F	PR, B, F	F	8'-6"	ACT	1	-	-	SSS	2
126	CONFERENCE ROOM	251	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, EP	PR, B, EP	PR, B, EP	PR, B, EP	8'-6"	ACT	2	-	-	SSS	1
127	WORK ROOM	61	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	1	-	-	SSS	1
128	OFFICE	176	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	1	-	-	SSS	1
129	HALLWAY	328	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	-	-	-	-	1
130	STAFF UNISEX RR	82	CER	CERAMIC	GWB	GWB	GWB	GWB	CER	CER	CER	CER	8'-6"	ACT	1	NEW	OBSCURE	CER	1
131	STAFF UNISEX RR	60	CER	CERAMIC	GWB	GWB	GWB	GWB	CER	CER	CER	CER	8'-6"	ACT	-	-	-	-	1
132	MECHANICAL ROOM HATCH	11	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	-	EXP	-	-	-	-	1
133	MAINTENANCE ROOM	73	CONC	-	-	-	-	-	-	-	-	-	-	EXP	-	-	-	-	1

- LEGEND:
- LVP - LUXURY VINYL PLANK
PR - PRIMER
B - BASE COAT
F - FINISH COAT
PVC-F - POLY VINYL FLEXIBLE
CER - CERAMIC TILE

ACT - ACOUSTICAL CEILING TILE
BL - BLINDS
ETR - EXISTING TO REMAIN
C - CONCRETE
CH - CHAIR RAIL
GWB - GYPSUM WALL BOARD
SC - SEALED CONCRETE

HM - HOLLOW METAL
W - WOOD
BR - BRICK
FR - FIRE RATED
GL - GLASS
V - VINYL
MR - MOISTURE RESISTANT GWB
SSS - SOUND SURFACE SILL
EXP - EXPOSED (UNFINISHED)



THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

J. E. JENKINS
CONSULTING ENGINEERS, P.A.
OFFICE IN: BUREAU SPRINGS, NORTH CAROLINA
OFFICE IN: WILKES-BARRIE, NORTH CAROLINA
OFFICE IN: CHARLOTTE, NORTH CAROLINA
OFFICE IN: RALEIGH, NORTH CAROLINA
OFFICE IN: FAYETTEVILLE, NORTH CAROLINA
OFFICE IN: WASHINGTON, D.C.
OFFICE IN: NEW YORK, N.Y.
OFFICE IN: PHILADELPHIA, PA.
OFFICE IN: PITTSBURGH, PA.
OFFICE IN: RICHMOND, VA.
OFFICE IN: ROANOKE, VA.
OFFICE IN: WASHINGTON, VA.
OFFICE IN: WILMINGTON, DE.
OFFICE IN: BALTIMORE, MD.
OFFICE IN: PHILADELPHIA, PA.
OFFICE IN: PITTSBURGH, PA.
OFFICE IN: RICHMOND, VA.
OFFICE IN: ROANOKE, VA.
OFFICE IN: WASHINGTON, VA.
OFFICE IN: WILMINGTON, DE.
OFFICE IN: BALTIMORE, MD.

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS, SAN, ED, BT, JC, JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☒ FOR CONSTRUCTION

OWNER/CLIENT: GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

CONTRACTOR/SUBS: STE GENERAL CONTRACTORS LLC
100 TUGMAN DRIVE, DALL, NC 28334

PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

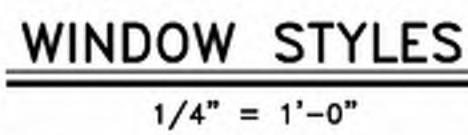
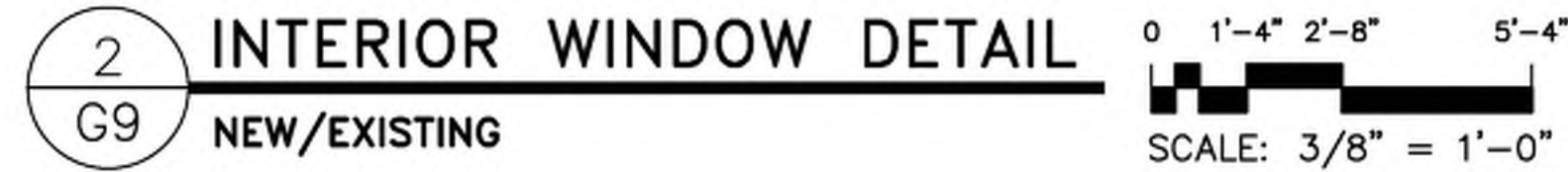
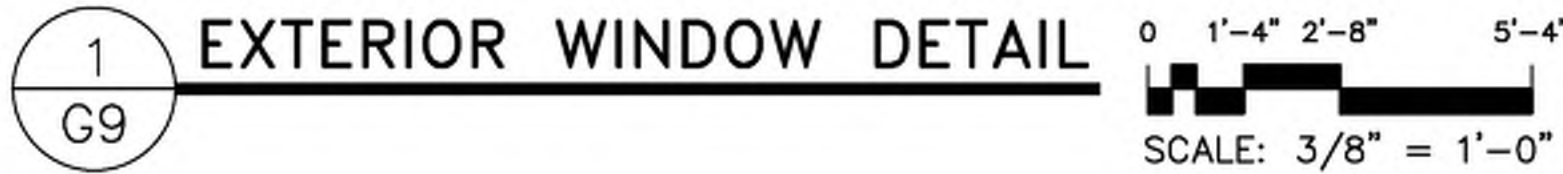
SHEET: FINISH SCHEDULE

G8



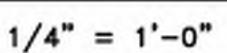
NOTES:

1. ALL EXTERIOR WINDOWS ARE EXISTING.
2. ALL INTERIOR WINDOWS ARE NEW.

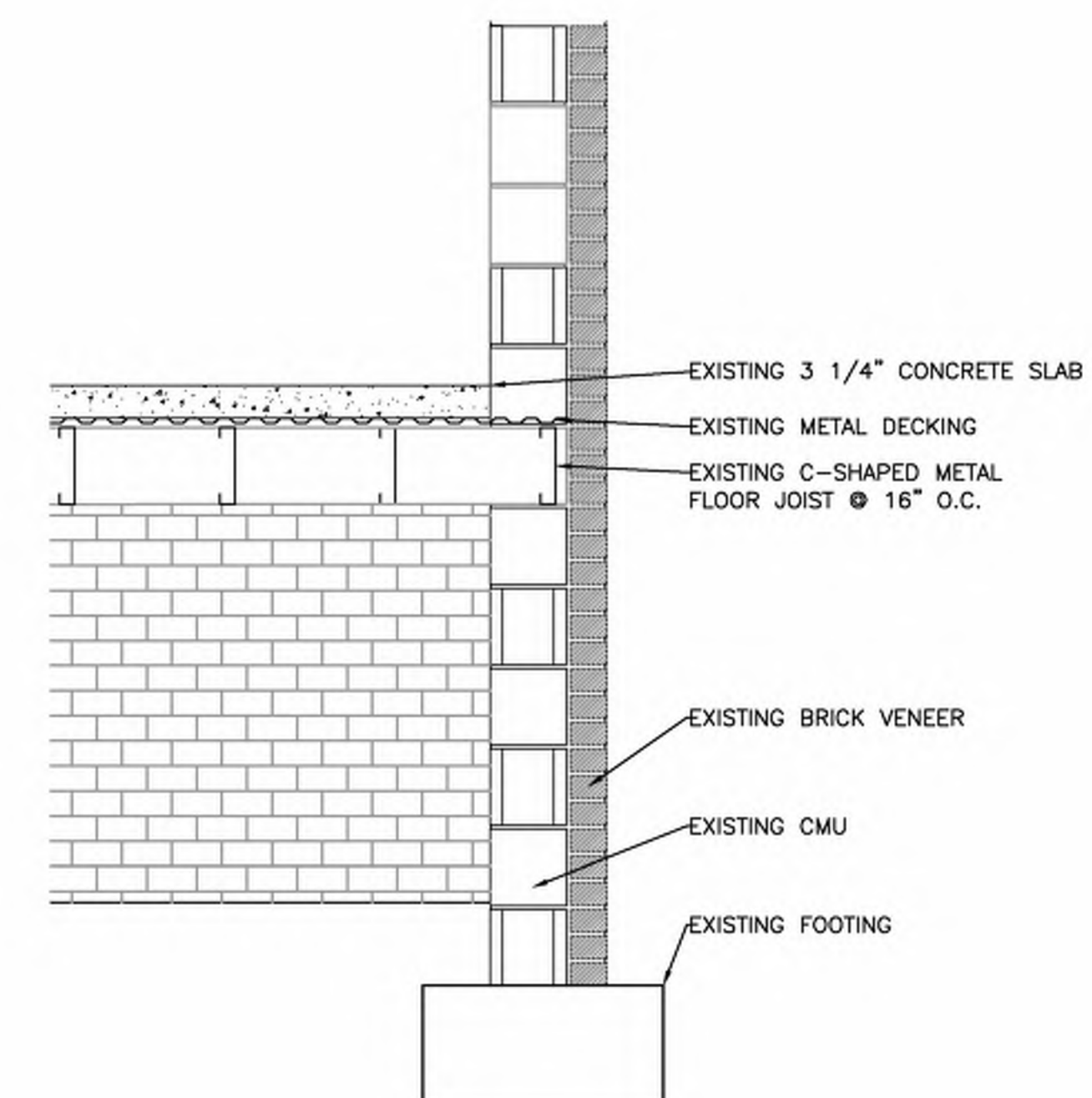
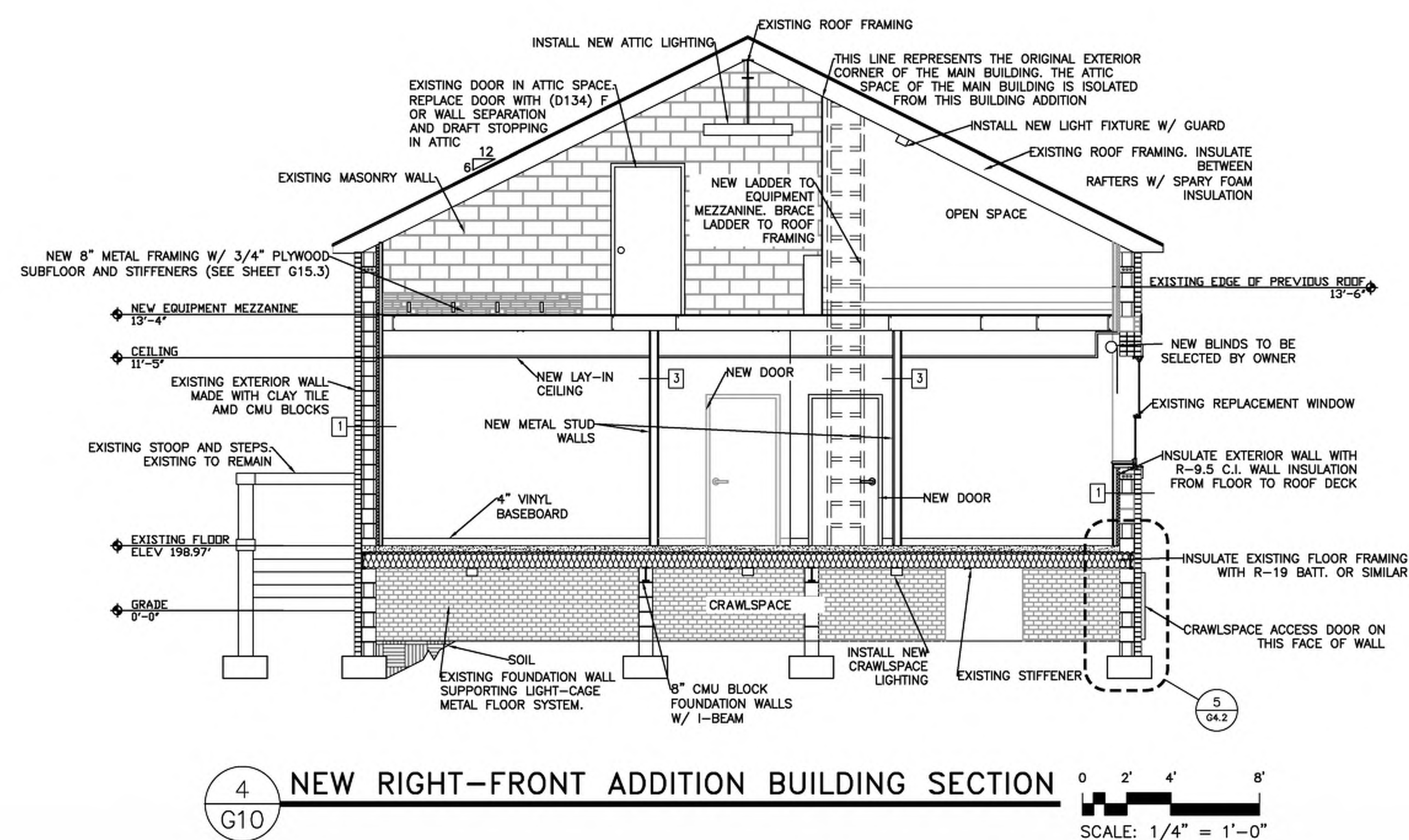
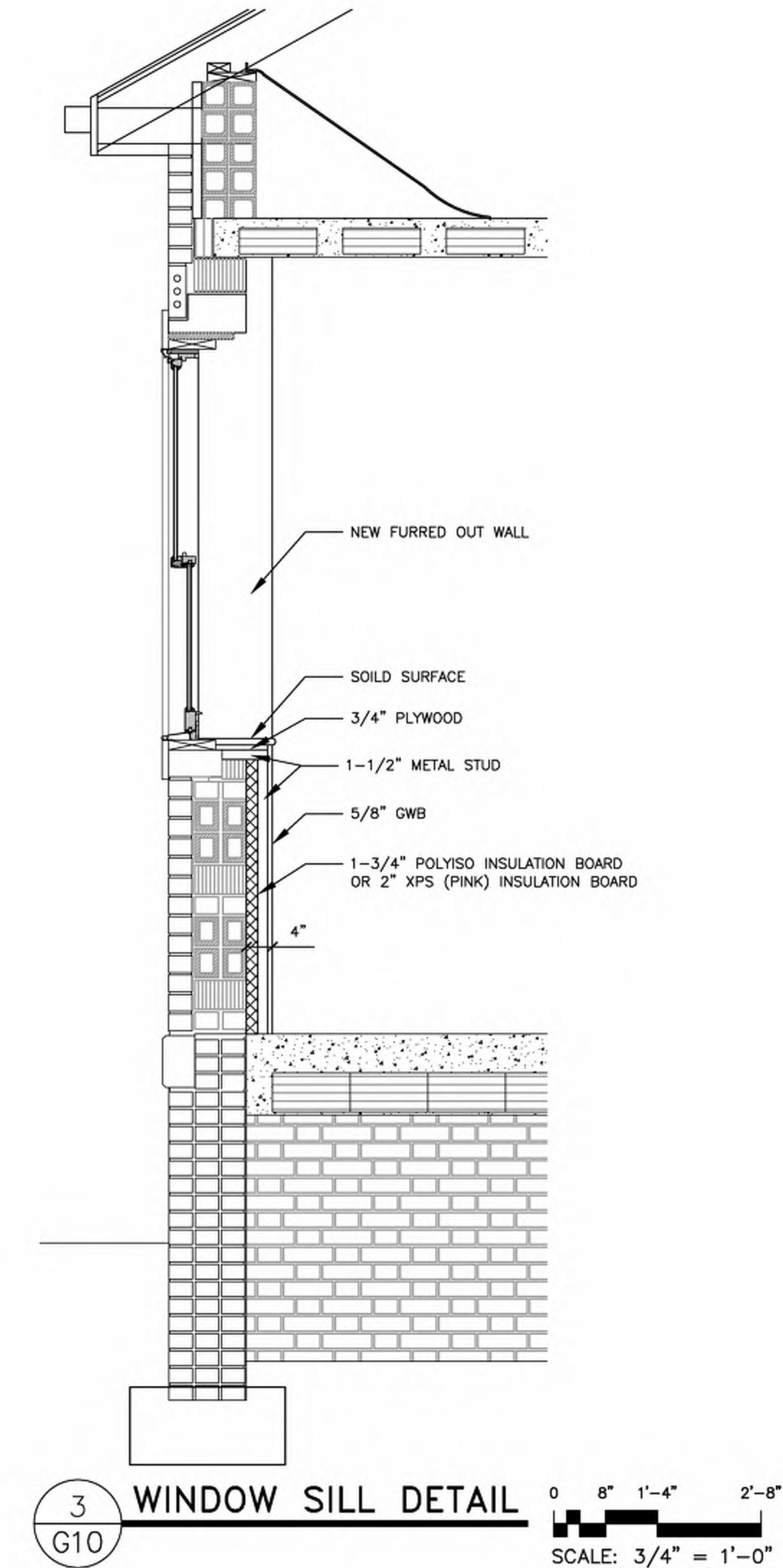
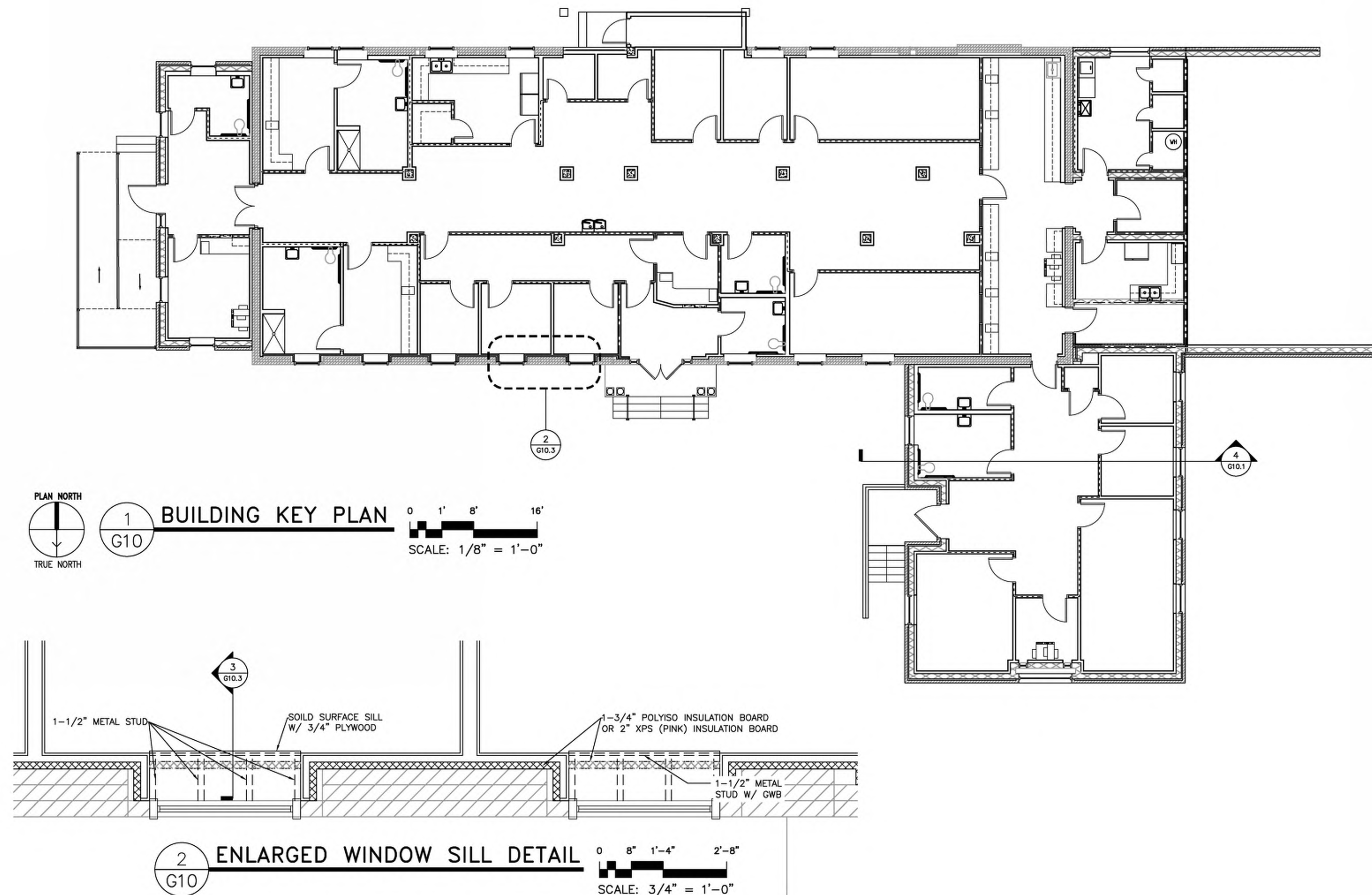


NOTES:

1. APPLY 2 COATS OF SEMI-GLOSS TO ALL METAL DOORS. ALL WOOD DOORS SHALL BE PRE-FIT AND PRE-FINISHED.
2. ALL EXIT DOORS MUST BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE OF EFFORT. ALL HARDWARE MUST BE DIRECT ACTING REQUIRING NOT MORE THAN ONE OPERATION.
3. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPES THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR PER ICC/ANSI A117.1-2009 SECTIONS 404.2.6& 404.2.7
4. G.C. TO REVIEW ALL HARDWARE SETS WITH OWNER BEFORE INSTALLATION
5. PROVIDE TRANSITION STRIPS AT ALL FLOORING MATERIAL CHANGES. POSITION AT CENTER OF DOOR.
6. ALL WOOD DOORS SHALL BE 20-MINUTE, SOLID CORE.
7. ALL PANIC HARDWARE SHALL BE UL LISTED.
8. ALL NEW HARDWARE MUST BE LEVER ADA ACCEPTABLE
9. ALL THRESHOLD TO MEET ADA SPECIFICATIONS
10. DELAYED AND EGRESS HARDWARE SHALL BE IN ACCORDANCE WITH UL-294 PUBLICATIONS.

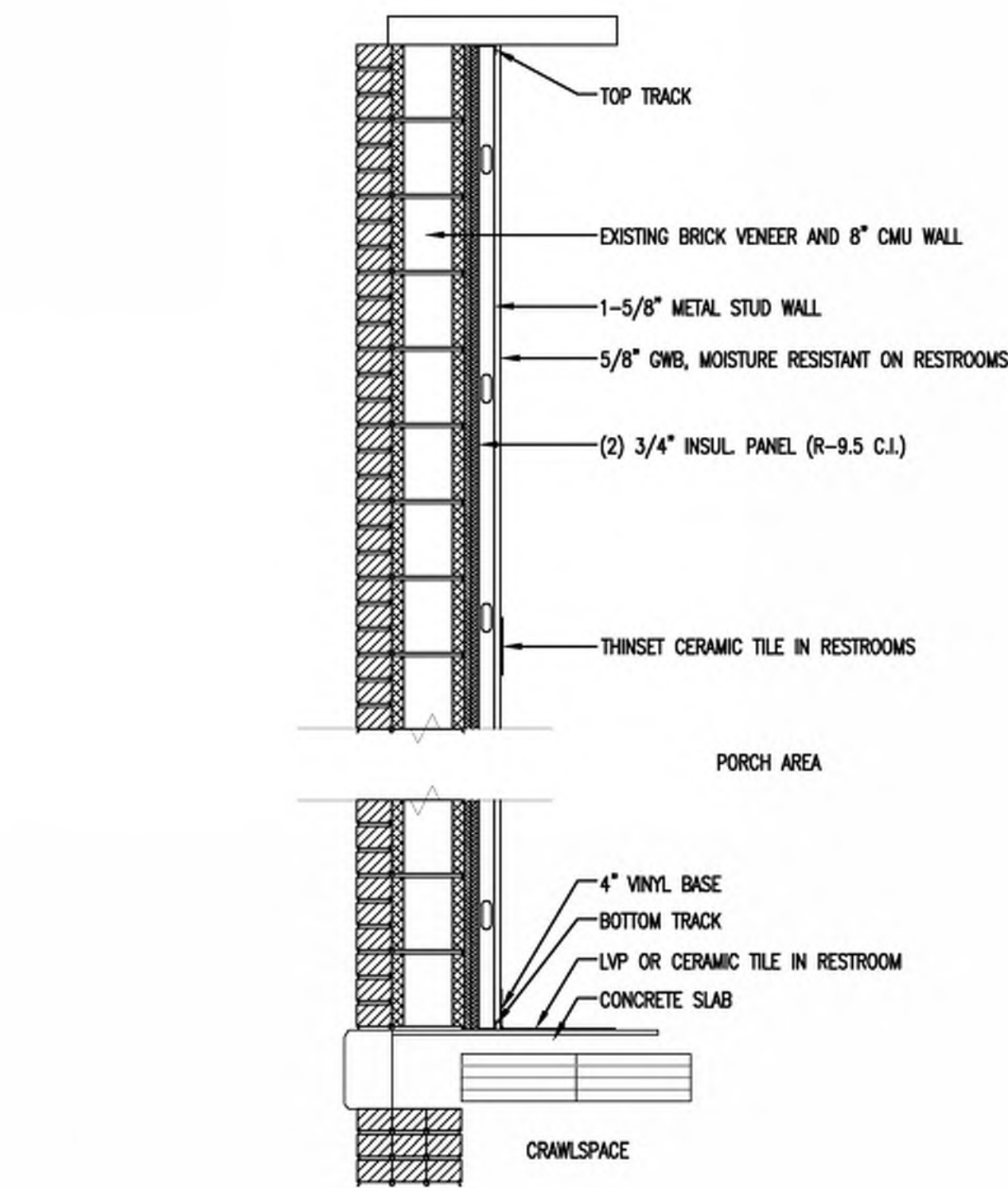
$$1/4'' = 1'-0''$$


G9

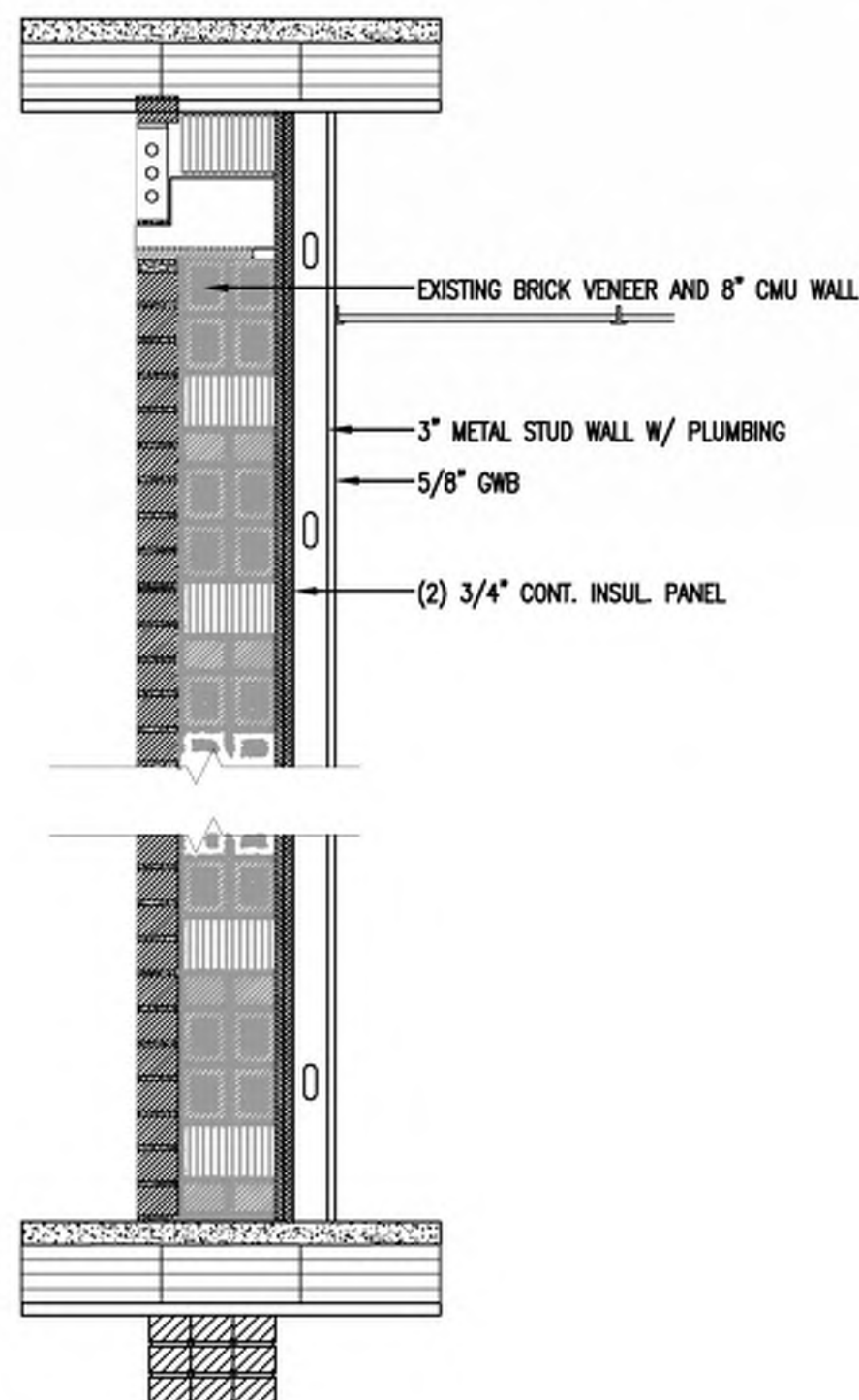


THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

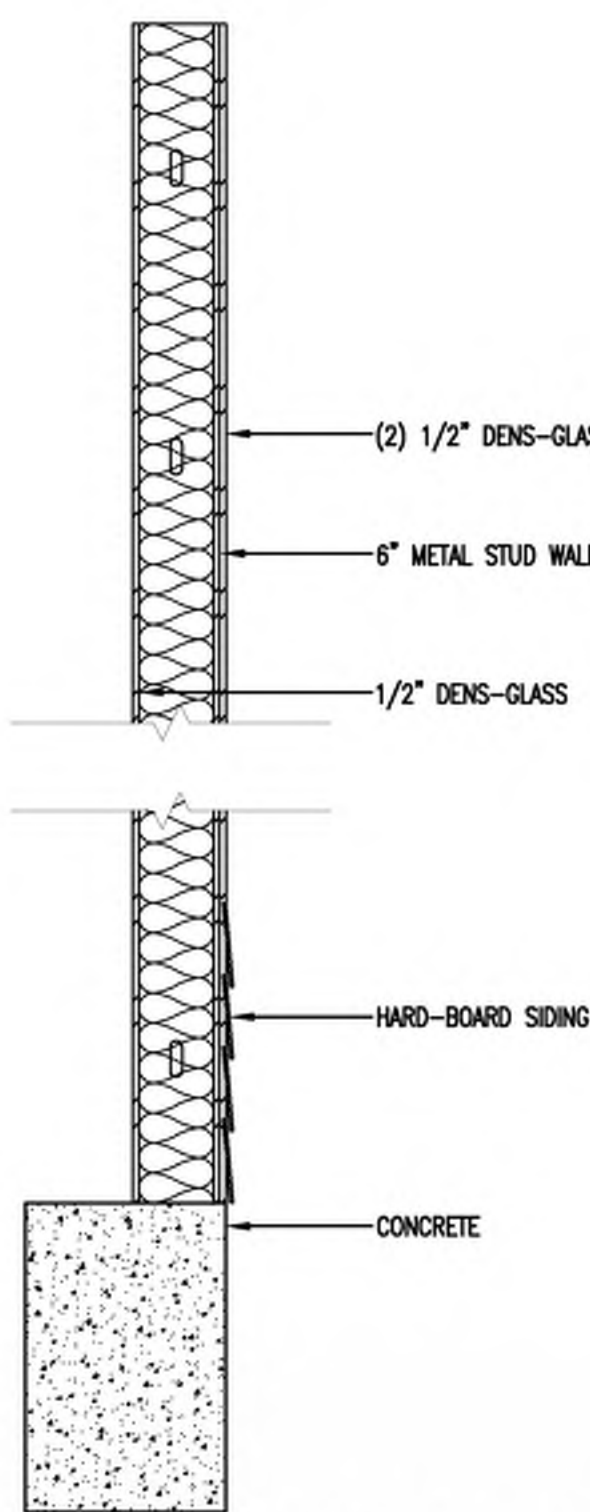
0 1'-0" 2'-0" 3'-0" 4'-0" 5'-0" 6'-0" 7'-0" 8'-0" 9'-0" 10'-0" 11'-0" 12'-0" 13'-0" 14'-0" 15'-0" 16'-0" 17'-0" 18'-0" 19'-0" 20'-0" 21'-0" 22'-0" 23'-0" 24'-0" 25'-0" 26'-0" 27'-0" 28'-0" 29'-0" 30'-0" 31'-0" 32'-0" 33'-0" 34'-0" 35'-0" 36'-0" 37'-0" 38'-0" 39'-0" 40'-0" 41'-0" 42'-0" 43'-0" 44'-0" 45'-0" 46'-0" 47'-0" 48'-0" 49'-0" 50'-0" 51'-0" 52'-0" 53'-0" 54'-0" 55'-0" 56'-0" 57'-0" 58'-0" 59'-0" 60'-0" 61'-0" 62'-0" 63'-0" 64'-0" 65'-0" 66'-0" 67'-0" 68'-0" 69'-0" 70'-0" 71'-0" 72'-0" 73'-0" 74'-0" 75'-0" 76'-0" 77'-0" 78'-0" 79'-0" 80'-0" 81'-0" 82'-0" 83'-0" 84'-0" 85'-0" 86'-0" 87'-0" 88'-0" 89'-0" 90'-0" 91'-0" 92'-0" 93'-0" 94'-0" 95'-0" 96'-0" 97'-0" 98'-0" 99'-0" 100'-0"



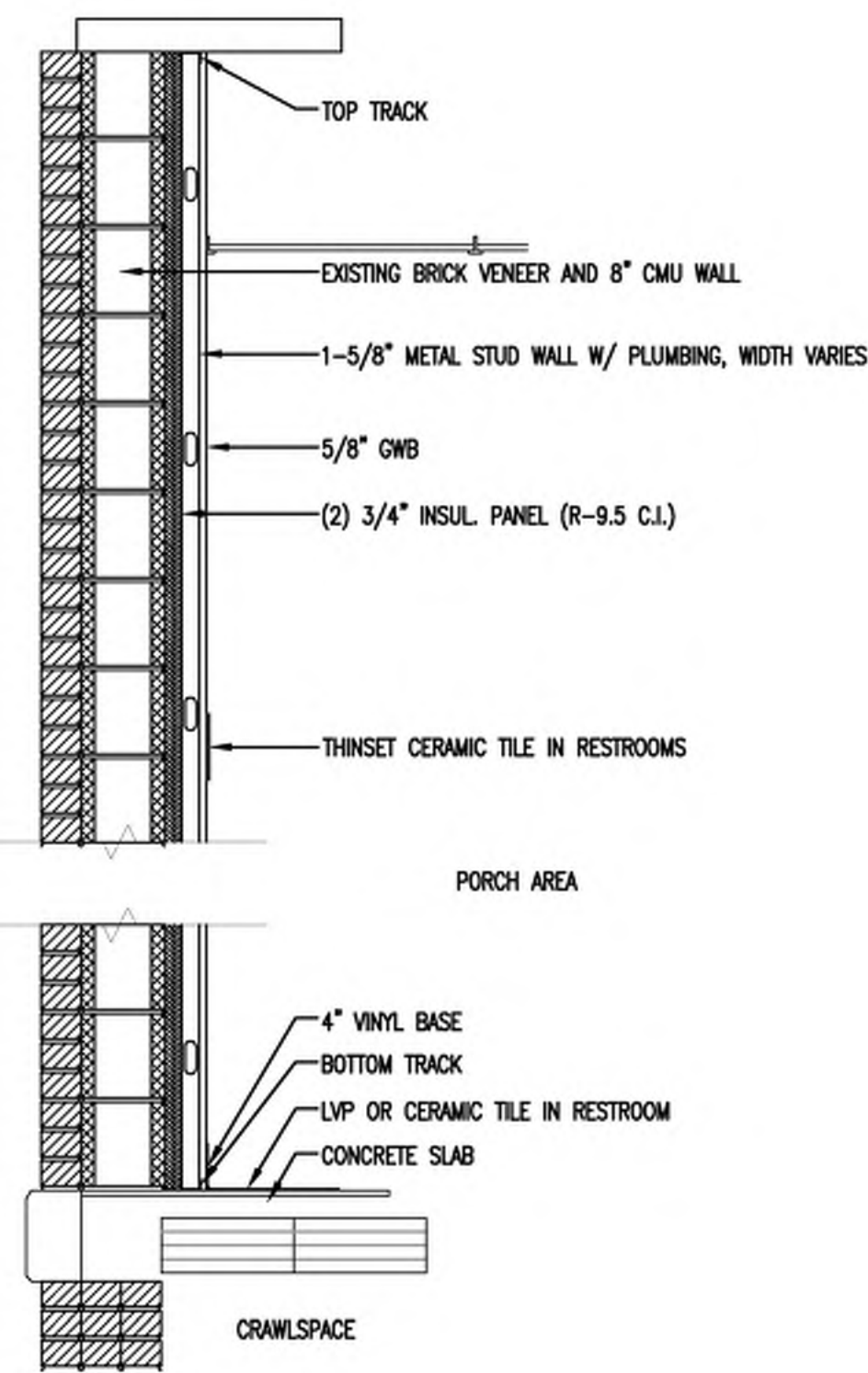
1 WALL STYLE 1
G11
SCALE: 3/4" = 1'-0"



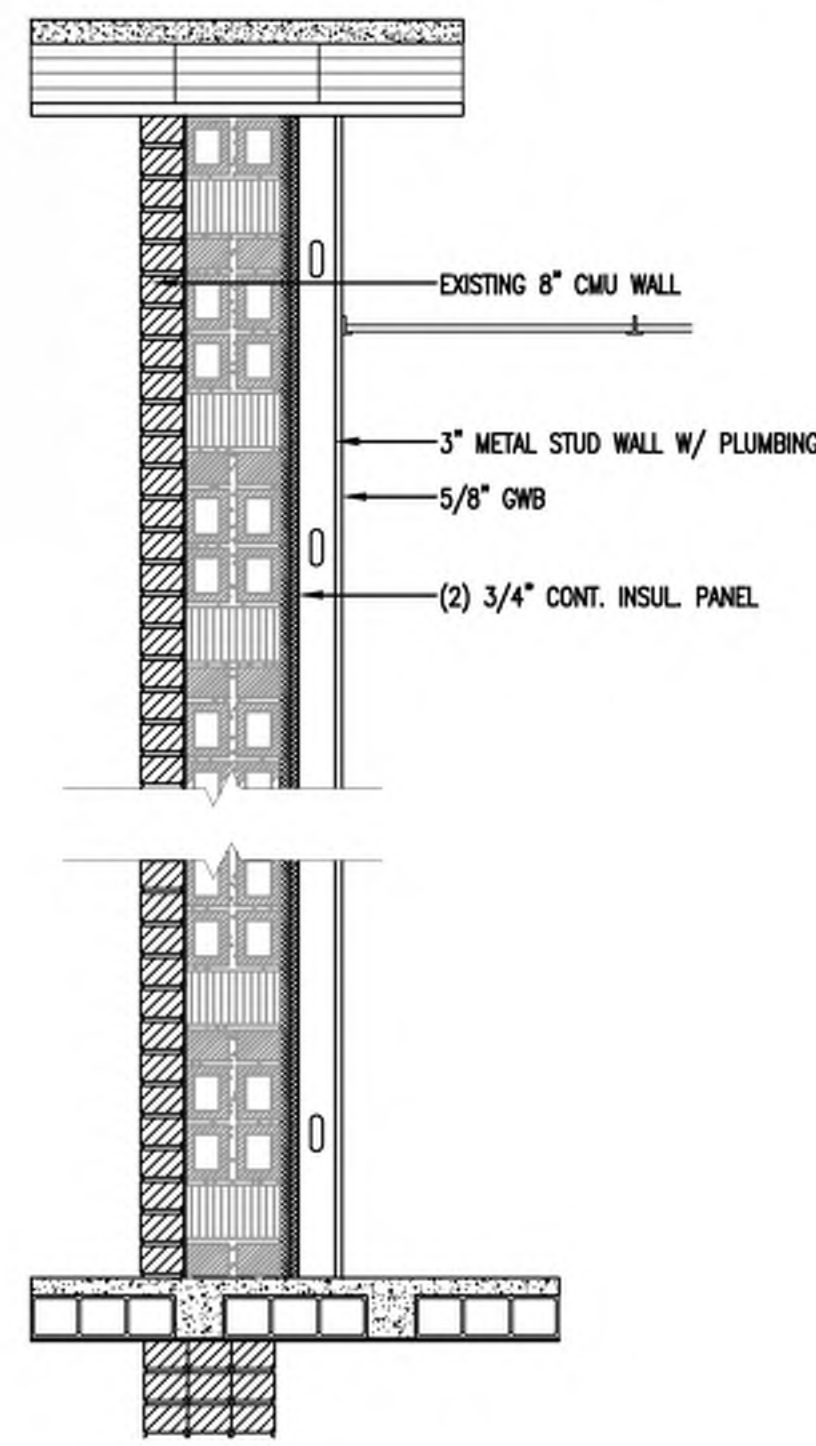
5 WALL STYLE 5
G11
SCALE: 3/4" = 1'-0"



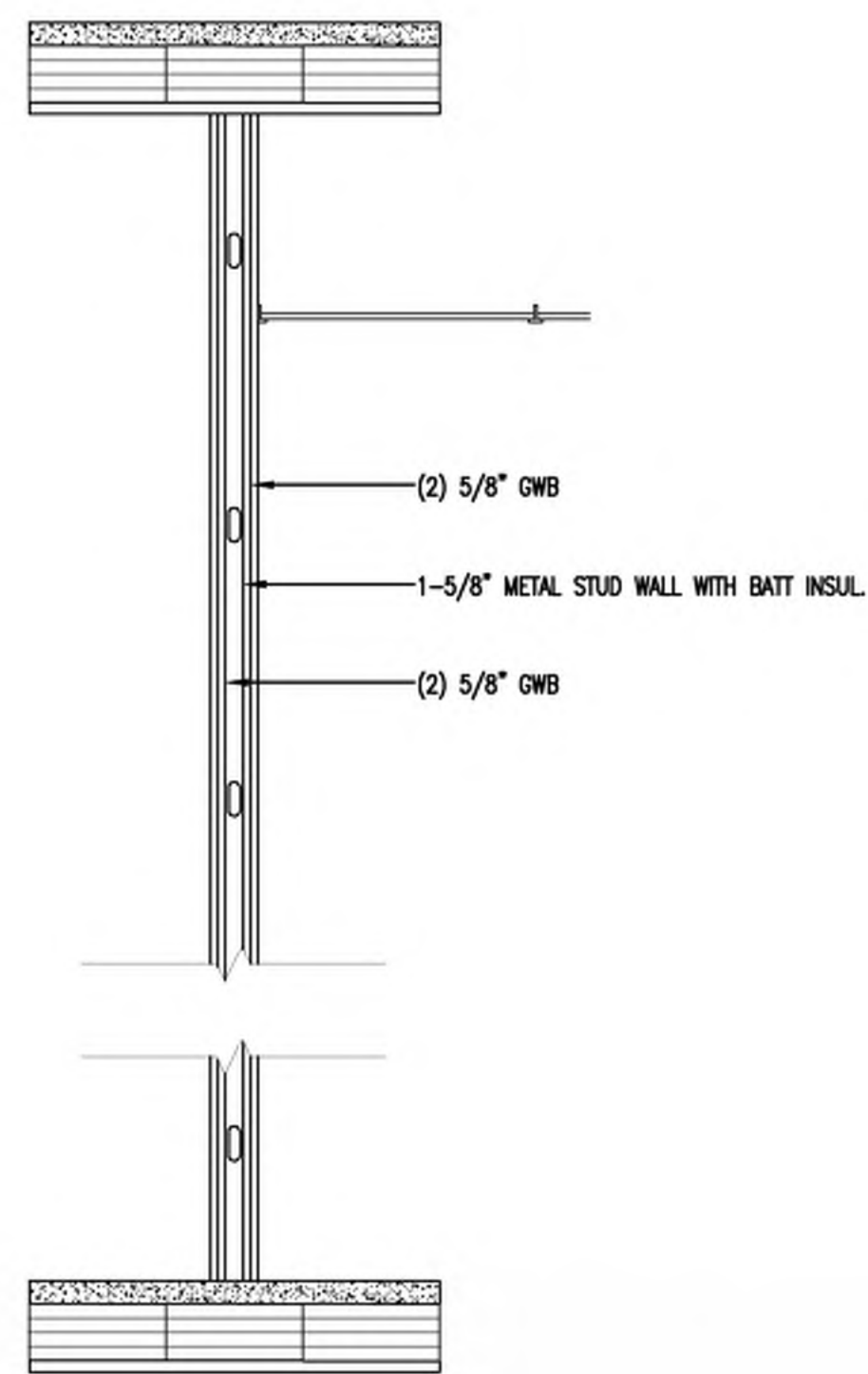
8 WALL STYLE 8
G11
SCALE: 3/4" = 1'-0"



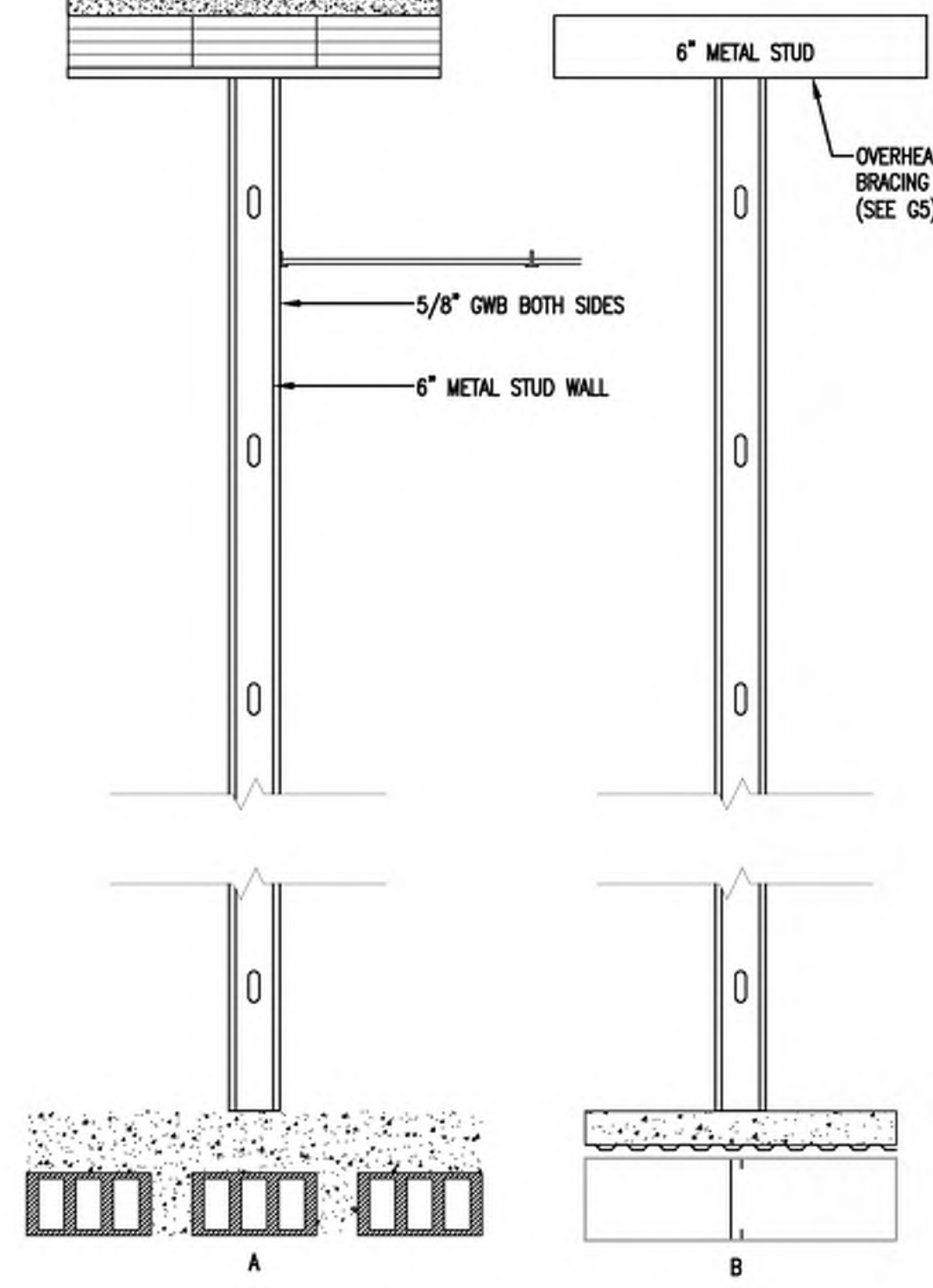
2 WALL STYLE 2
G11
SCALE: 3/4" = 1'-0"



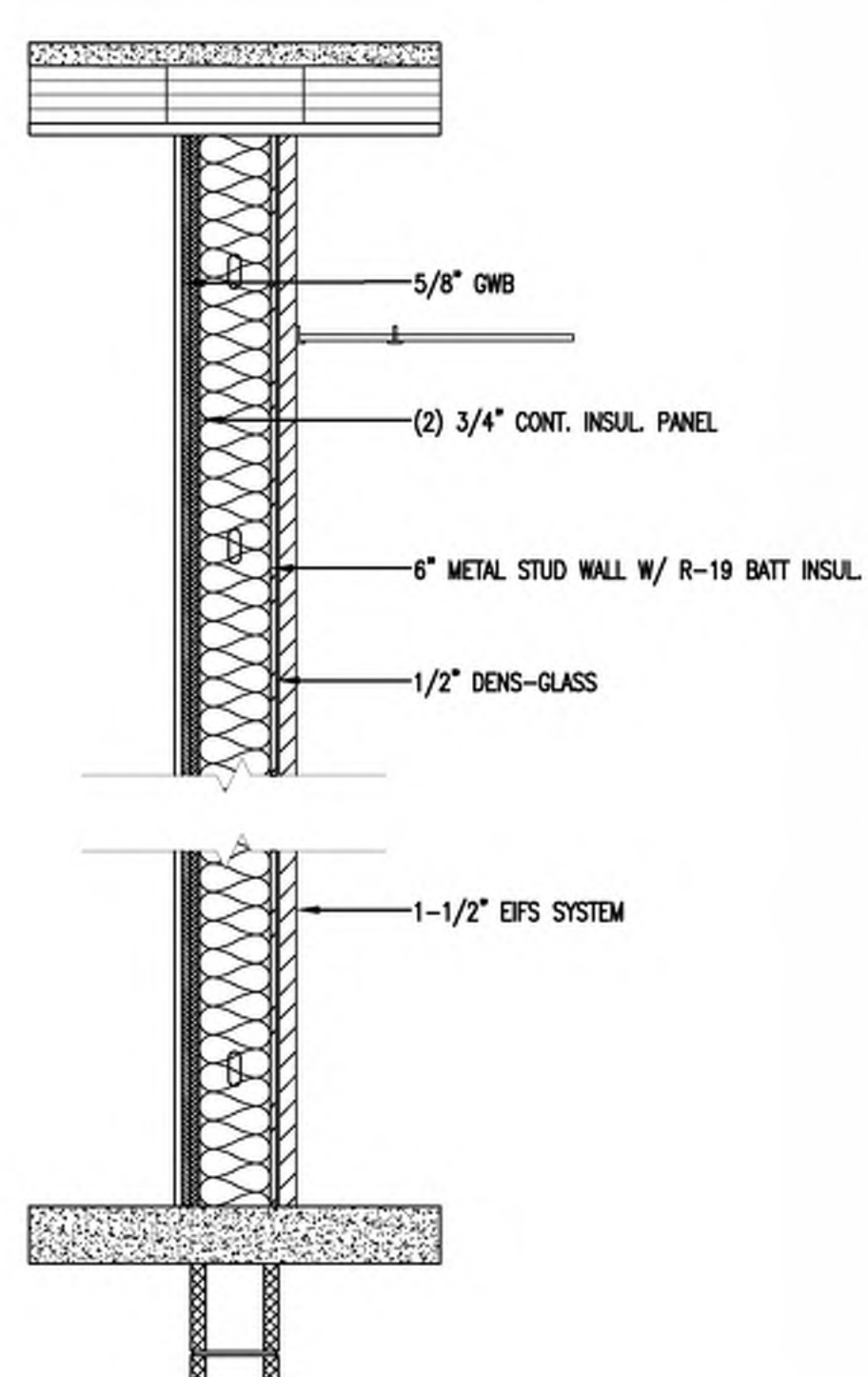
6 WALL STYLE 6
G11
SCALE: 3/4" = 1'-0"



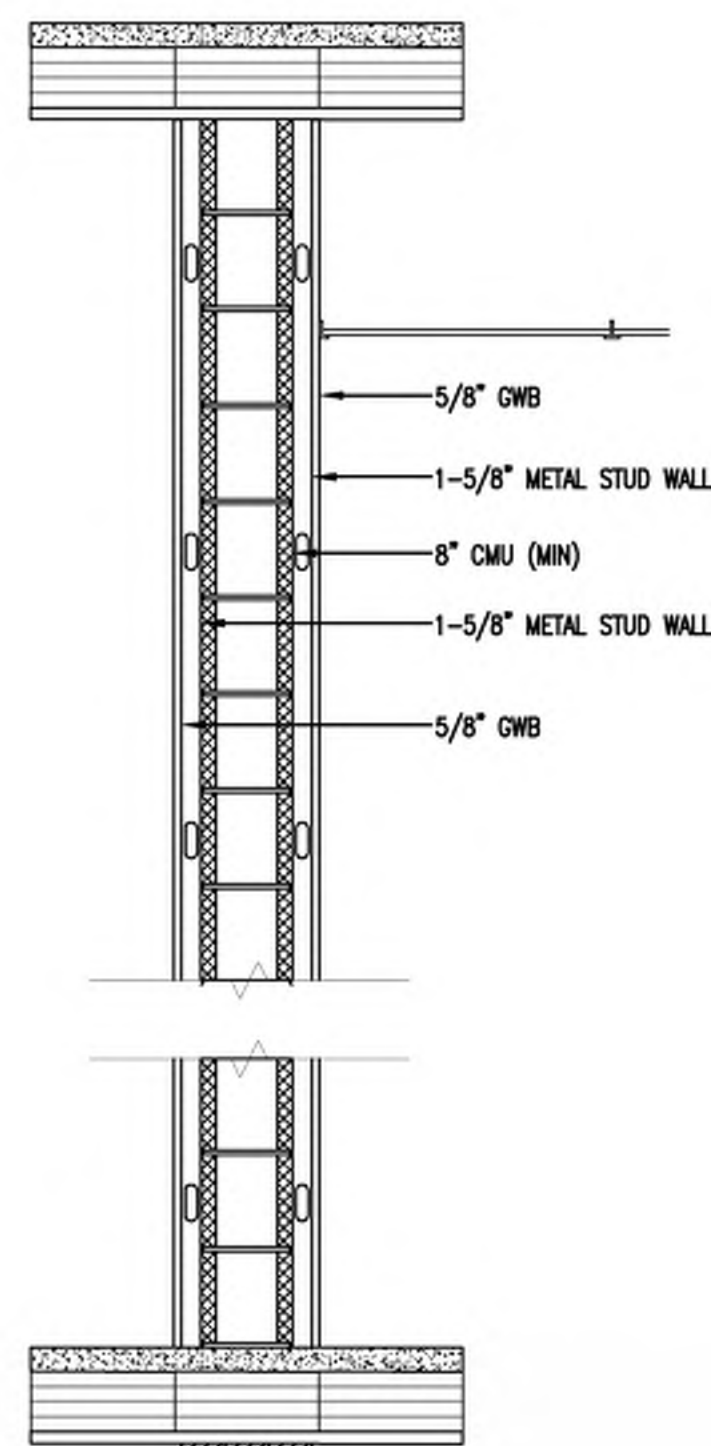
9 WALL STYLE 9
G11
2-HR FIRE RATED
SCALE: 3/4" = 1'-0"



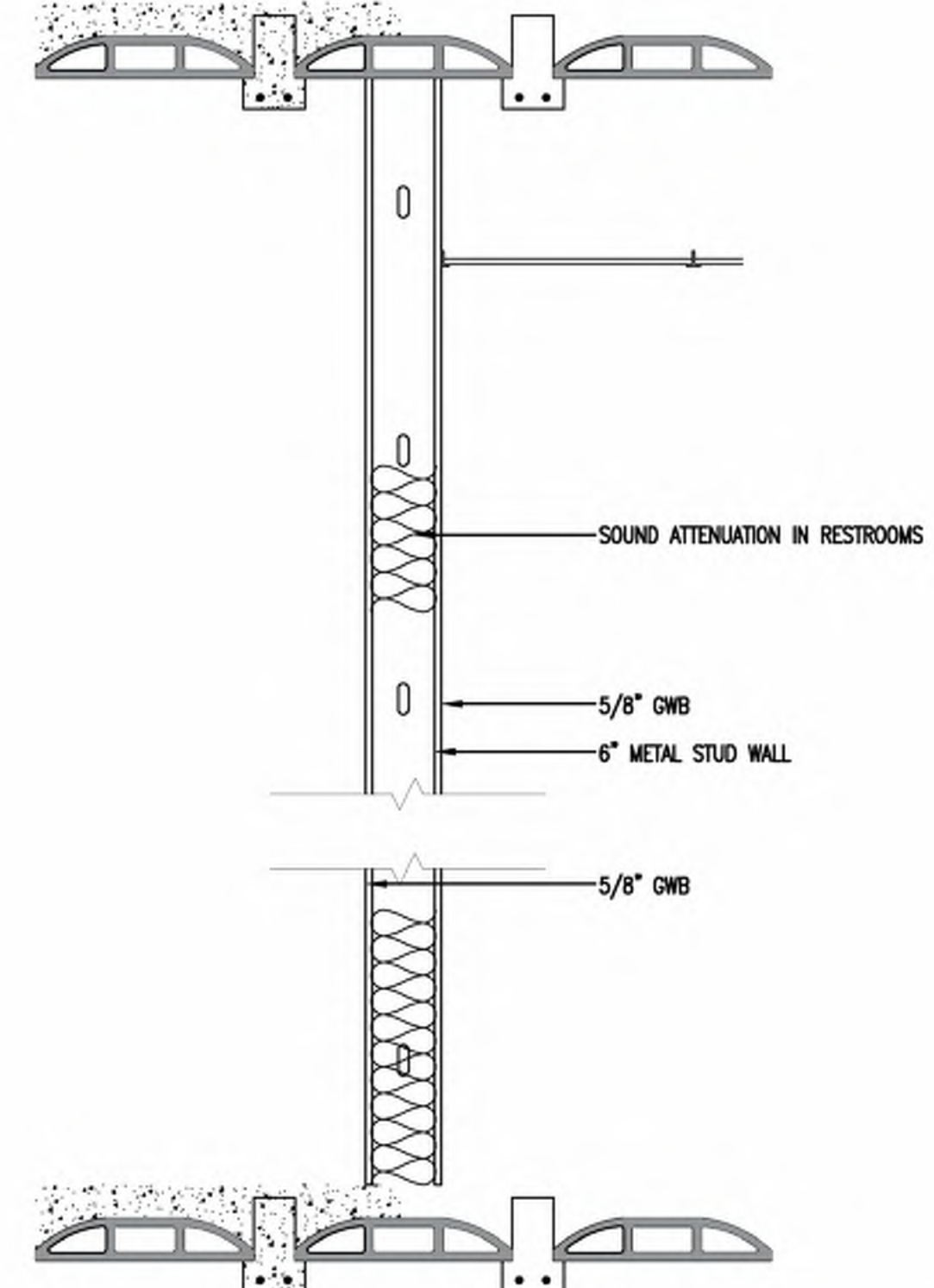
3 WALL STYLE 3
G11
SCALE: 3/4" = 1'-0"



7 WALL STYLE 7
G11
SCALE: 3/4" = 1'-0"



10 WALL STYLE 10
G11
SCALE: 3/4" = 1'-0"



4 WALL STYLE 4
G11
SCALE: 3/4" = 1'-0"

Design No. U419

December 10, 2020

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5J)

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada).

1. Floor and Ceiling Runners — (Not Shown) — For use with Item 2 — Channel shaped, fabricated from min 25 MSO corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

2. Steel Studs — Channel shaped, fabricated from min 25 MSO corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

3. Wood Structural Panel Sheathing — (Optional, For use with Item 5 Only) — (Not Shown) — 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1" sheathing (plywood) complying with DCC PSI or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC in the perimeter and 12 in. OC in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in.

4. Batts and Blankets* — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5.

See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

4A. Batts and Blankets* — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

5. Gypsum Board* — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) with type ULX need not be staggered. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Rating, Hr	From Item 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	Min Stud Depth, in.	No. of Layers of Insulation (Item 4)	Min Thickness of Insulation (Item 4)
1	1-1/2	1 layer, 3/4 in. thick	Optional	Optional
2	2-1/2	1 layer, 1/2 in. thick	Optional	Optional
3	3-1/2	1 layer, 3/4 in. thick	Optional	Optional
4	4-1/2	1 layer, 1/2 in. thick	Optional	Optional
5	5-1/2	1 layer, 3/4 in. thick	Optional	Optional
6	6-1/2	1 layer, 1/2 in. thick	Optional	Optional
7	7-1/2	1 layer, 3/4 in. thick	Optional	Optional
8	8-1/2	1 layer, 1/2 in. thick	Optional	Optional
9	9-1/2	1 layer, 3/4 in. thick	Optional	Optional
10	10-1/2	1 layer, 1/2 in. thick	Optional	Optional
11	11-1/2	1 layer, 3/4 in. thick	Optional	Optional
12	12-1/2	1 layer, 1/2 in. thick	Optional	Optional
13	13-1/2	1 layer, 3/4 in. thick	Optional	Optional
14	14-1/2	1 layer, 1/2 in. thick	Optional	Optional
15	15-1/2	1 layer, 3/4 in. thick	Optional	Optional
16	16-1/2	1 layer, 1/2 in. thick	Optional	Optional
17	17-1/2	1 layer, 3/4 in. thick	Optional	Optional
18	18-1/2	1 layer, 1/2 in. thick	Optional	Optional
19	19-1/2	1 layer, 3/4 in. thick	Optional	Optional
20	20-1/2	1 layer, 1/2 in. thick	Optional	Optional
21	21-1/2	1 layer, 3/4 in. thick	Optional	Optional
22	22-1/2	1 layer, 1/2 in. thick	Optional	Optional
23	23-1/2	1 layer, 3/4 in. thick	Optional	Optional
24	24-1/2	1 layer, 1/2 in. thick	Optional	Optional
25	25-1/2	1 layer, 3/4 in. thick	Optional	Optional
26	26-1/2	1 layer, 1/2 in. thick	Optional	Optional
27	27-1/2	1 layer, 3/4 in. thick	Optional	Optional
28	28-1/2	1 layer, 1/2 in. thick	Optional	Optional
29	29-1/2	1 layer, 3/4 in. thick	Optional	Optional
30	30-1/2	1 layer, 1/2 in. thick	Optional	Optional
31	31-1/2	1 layer, 3/4 in. thick	Optional	Optional
32	32-1/2	1 layer, 1/2 in. thick	Optional	Optional
33	33-1/2	1 layer, 3/4 in. thick	Optional	Optional
34	34-1/2	1 layer, 1/2 in. thick	Optional	Optional
35	35-1/2	1 layer, 3/4 in. thick	Optional	Optional
36	36-1/2	1 layer, 1/2 in. thick	Optional	Optional
37	37-1/2	1 layer, 3/4 in. thick	Optional	Optional
38	38-1/2	1 layer, 1/2 in. thick	Optional	Optional
39	39-1/2	1 layer, 3/4 in. thick	Optional	Optional
40	40-1/2	1 layer, 1/2 in. thick	Optional	Optional
41	41-1/2	1 layer, 3/4 in. thick	Optional	Optional
42	42-1/2	1 layer, 1/2 in. thick	Optional	Optional
43	43-1/2	1 layer, 3/4 in. thick	Optional	Optional
44	44-1/2	1 layer, 1/2 in. thick	Optional	Optional
45	45-1/2	1 layer, 3/4 in. thick	Optional	Optional
46	46-1/2	1 layer, 1/2 in. thick	Optional	Optional
47	47-1/2	1 layer, 3/4 in. thick	Optional	Optional
48	48-1/2	1 layer, 1/2 in. thick	Optional	Optional
49	49-1/2	1 layer, 3/4 in. thick	Optional	Optional
50	50-1/2	1 layer, 1/2 in. thick	Optional	Optional
51	51-1/2	1 layer, 3/4 in. thick	Optional	Optional
52	52-1/2	1 layer, 1/2 in. thick	Optional	Optional
53	53-1/2	1 layer, 3/4 in. thick	Optional	Optional
54	54-1/2	1 layer, 1/2 in. thick	Optional	Optional
55	55-1/2	1 layer, 3/4 in. thick	Optional	Optional
56	56-1/2	1 layer, 1/2 in. thick	Optional	Optional
57	57-1/2	1 layer, 3/4 in. thick	Optional	Optional
58	58-1/2	1 layer, 1/2 in. thick	Optional	Optional
59	59-1/2	1 layer, 3/4 in. thick	Optional	Optional
60	60-1/2	1 layer, 1/2 in. thick	Optional	Optional
61	61-1/2	1 layer, 3/4 in. thick	Optional	Optional
62	62-1/2	1 layer, 1/2 in. thick	Optional	Optional
63	63-1/2	1 layer, 3/4 in. thick	Optional	Optional
64	64-1/2	1 layer, 1/2 in. thick	Optional	Optional
65	65-1/2	1 layer, 3/4 in. thick	Optional	Optional
66	66-1/2	1 layer, 1/2 in. thick	Optional	Optional
67	67-1/2	1 layer, 3/4 in. thick	Optional	Optional
68	68-1/2	1 layer, 1/2 in. thick	Optional	Optional
69	69-1/2	1 layer, 3/4 in. thick	Optional	Optional
70	70-1/2	1 layer, 1/2 in. thick	Optional	Optional
71	71-1/2	1 layer, 3/4 in. thick	Optional	Optional
72	72-1/2	1 layer, 1/2 in. thick	Optional	Optional
73	73-1/2	1 layer, 3/4 in. thick	Optional	Optional
74	74-1/2	1 layer, 1/2 in. thick	Optional	Optional
75	75-1/2	1 layer, 3/4 in. thick	Optional	Optional
76	76-1/2	1 layer, 1/2 in. thick	Optional	Optional
77	77-1/2	1 layer, 3/4 in. thick	Optional	Optional
78	78-1/2	1 layer, 1/2 in. thick	Optional	Optional
79	79-1/2	1 layer, 3/4 in. thick	Optional	Optional
80	80-1/2	1 layer, 1/2 in. thick	Optional	Optional
81	81-1/2	1 layer, 3/4 in. thick	Optional	Optional
82	82-1/2	1 layer, 1/2 in. thick	Optional	Optional
83	83-1/2	1 layer, 3/4 in. thick	Optional	Optional
84	84-1/2	1 layer, 1/2 in. thick	Optional	Optional
85	85-1/2	1 layer, 3/4 in. thick	Optional	Optional
86	86-1/2	1 layer, 1/2 in. thick	Optional	Optional
87	87-1/2	1 layer, 3/4 in. thick	Optional	Optional
88	88-1/2	1 layer, 1/2 in. thick	Optional	Optional
89	89-1/2	1 layer, 3/4 in. thick	Optional	Optional
90	90-1/2	1 layer, 1/2 in. thick	Optional	Optional
91	91-1/2	1 layer, 3/4 in. thick	Optional	Optional
92	92-1/2	1 layer, 1/2 in. thick	Optional	Optional
93	93-1/2	1 layer, 3/4 in. thick	Optional	Optional
94	94-1/2	1 layer, 1/2 in. thick	Optional	Optional
95	95-1/2	1 layer, 3/4 in. thick	Optional	Optional
96	96-1/2	1 layer, 1/2 in. thick	Optional	Optional
97	97-1/2	1 layer, 3/4 in. thick	Optional	Optional
98	98-1/2	1 layer, 1/2 in. thick	Optional	Optional
99	99-1/2	1 layer, 3/4 in. thick	Optional	Optional
100	100-1/2	1 layer, 1/2 in. thick	Optional	Optional

6. Fasteners — (Not Shown) — For use with Items 2 and 2F — Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Single layer system with Type ULX: 1 in. long, spaced 12 in. OC in the field and perimeter, when panels are applied horizontally or vertically; two layer systems: First layer— 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer— 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Three-layer systems: First layer— 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 16 in. OC. Second layer— 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer— 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 3/4 in. thick panels, spaced 12 in. OC. Screws offset min 8 in. from layer below. Four-layer systems: First layer— 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer— 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer— 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 3/4 in. thick panels, spaced 12 in. OC. Screws offset min 8 in. from layer below. Four-layer systems: First layer— 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer— 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer— 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 3/4 in. thick panels, spaced 12 in. OC. Screws offset min 8 in. from layer below.

7. Furring Channels — (Optional, Not Shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSO corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A.

8. Joint Tape and Compound — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. Siding, Brick or Stucco — (Optional, Not Shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. Caulking and Sealants* — (Optional, Not Shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.

UNITED STATES GYPSUM CO — Type AS
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.
Last Updated on 2020-12-10

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS SAN GD BT JC JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☒ FOR CONSTRUCTION

OWNER/TECHNICAL DEPARTMENT
410 DENIM DRIVE, ERWIN, NC 28339

CONTRACTOR/INSTALLER:
STE GENERAL CONTRACTORS LLC
100 TUGMAN DRIVE, DUNN, NC 28324

DATE: 25 JULY 2025

DESCRIPTION

STANDARD

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

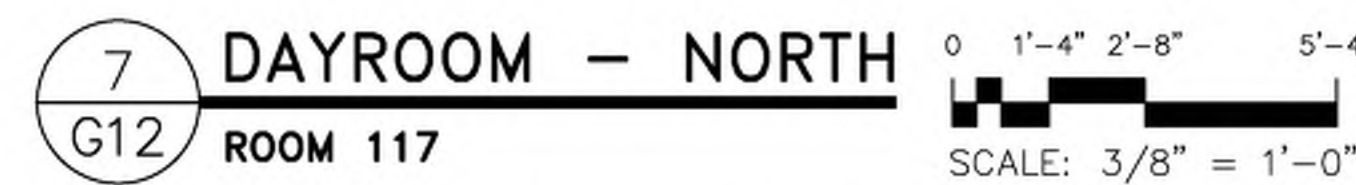
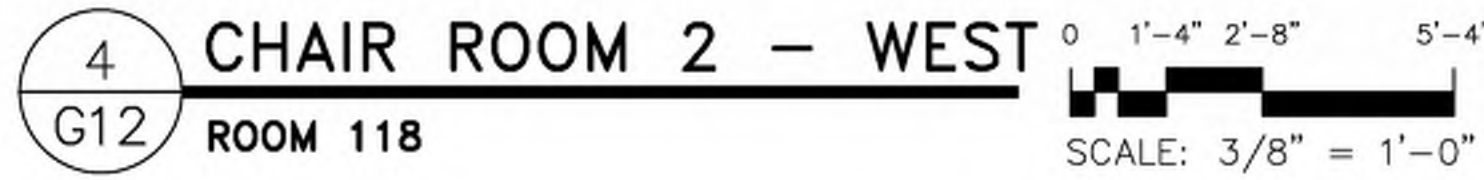
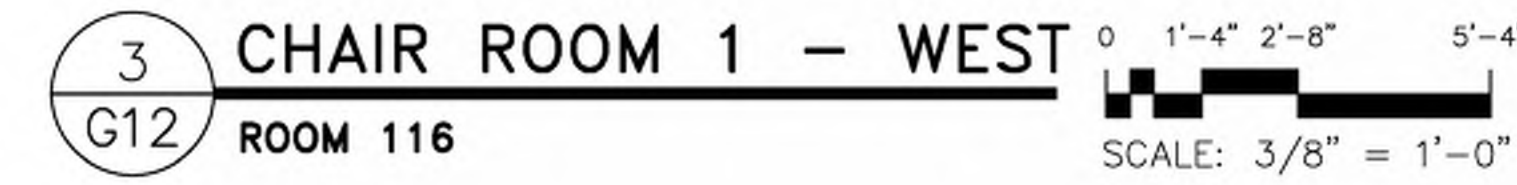
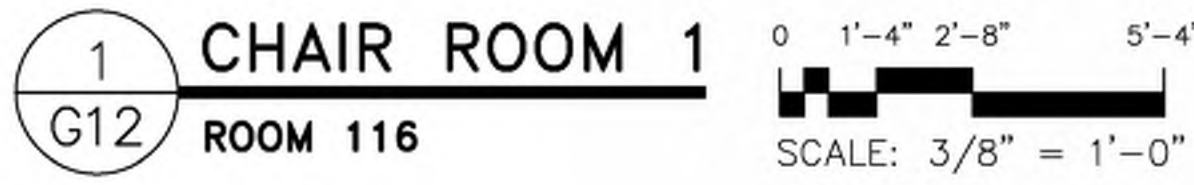
JENKINS
CONSULTING ENGINEERS, PA
OFFICE: 410 DENIM DRIVE, ERWIN, NC 28339
NORTH CAROLINA CORPORATION NUMBER C-3070
OFFICE PROJECT: 11A

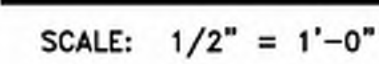
25 JULY 2025

ALTERNATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

WALL SECTIONS

G11

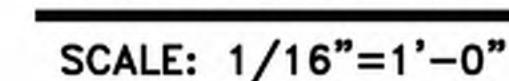




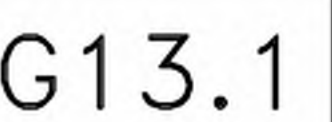
1. PROVIDE BLOCKING AT ALL WALL MOUNTED ACCESSORIES.
2. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS.
3. INSTALL AT LOCATIONS REQUIRED AND AS SHOWN ON DRAWINGS.
4. ALL TOILET ACCESSORIES TO BE SELECTED BY OWNER
5. ALL TOILET ACCESSORIES TO BE INSTALLED BY CONSTRUCTOR
6. ALL LAVATORIES & SINKS SHALL HAVE PROTECTIVE COVERING ATTACHED TO THE SUPPLY & DRAIN LINES BELOW THE FIXTURES

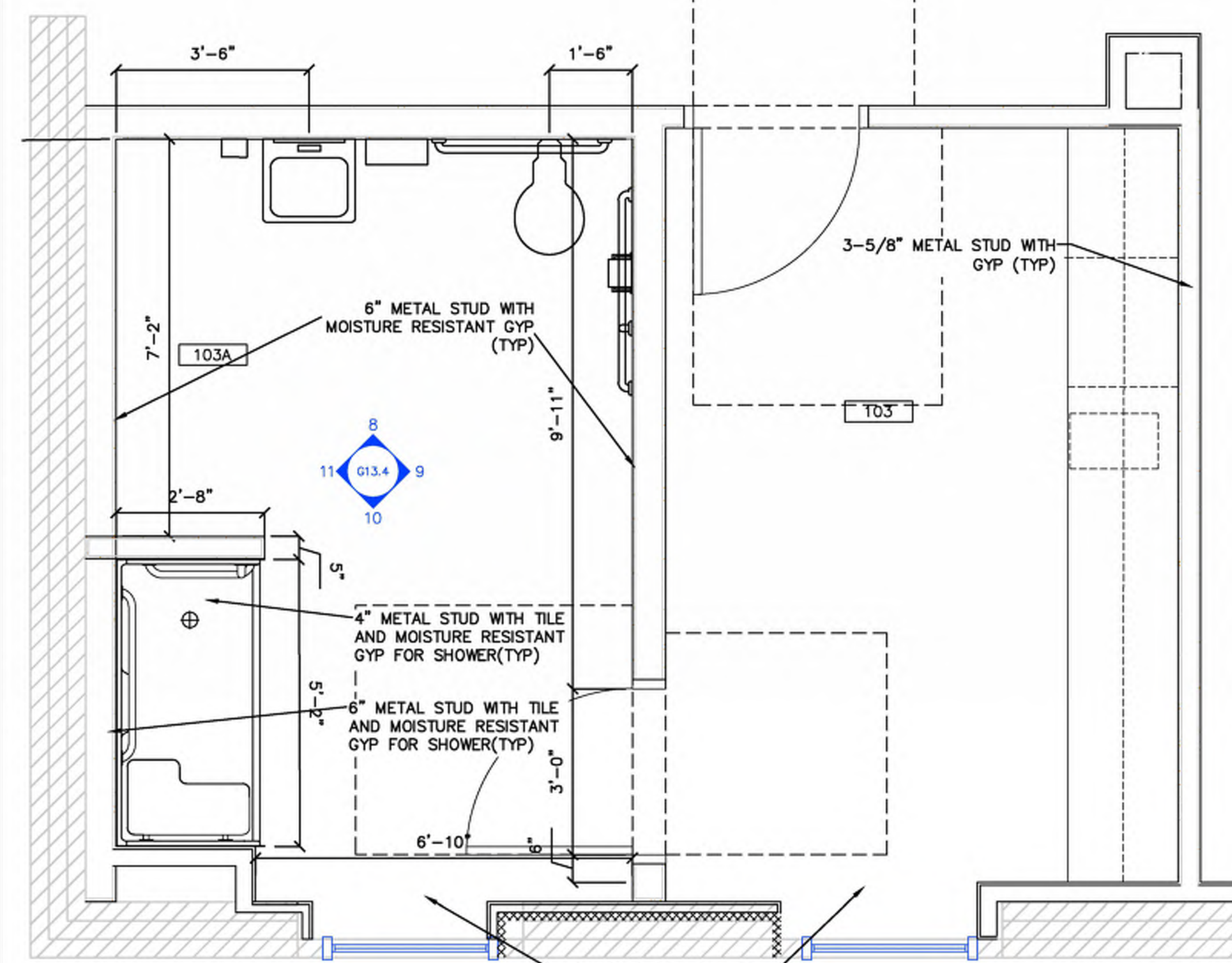
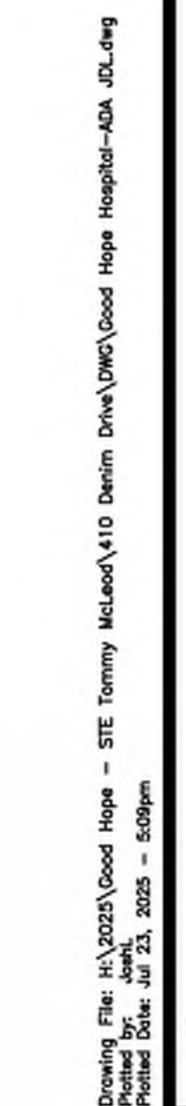
SEE SHEET P1 FOR PLUMBING FIXTURE SCHEDULE.
SEE SHEET G13.1, G13.2, G13.3 FOR FLOOR FRAMING.

GYPSON WALL BOARD SHALL BE MOISTURE RESISTANT IN RESTROOM



THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM



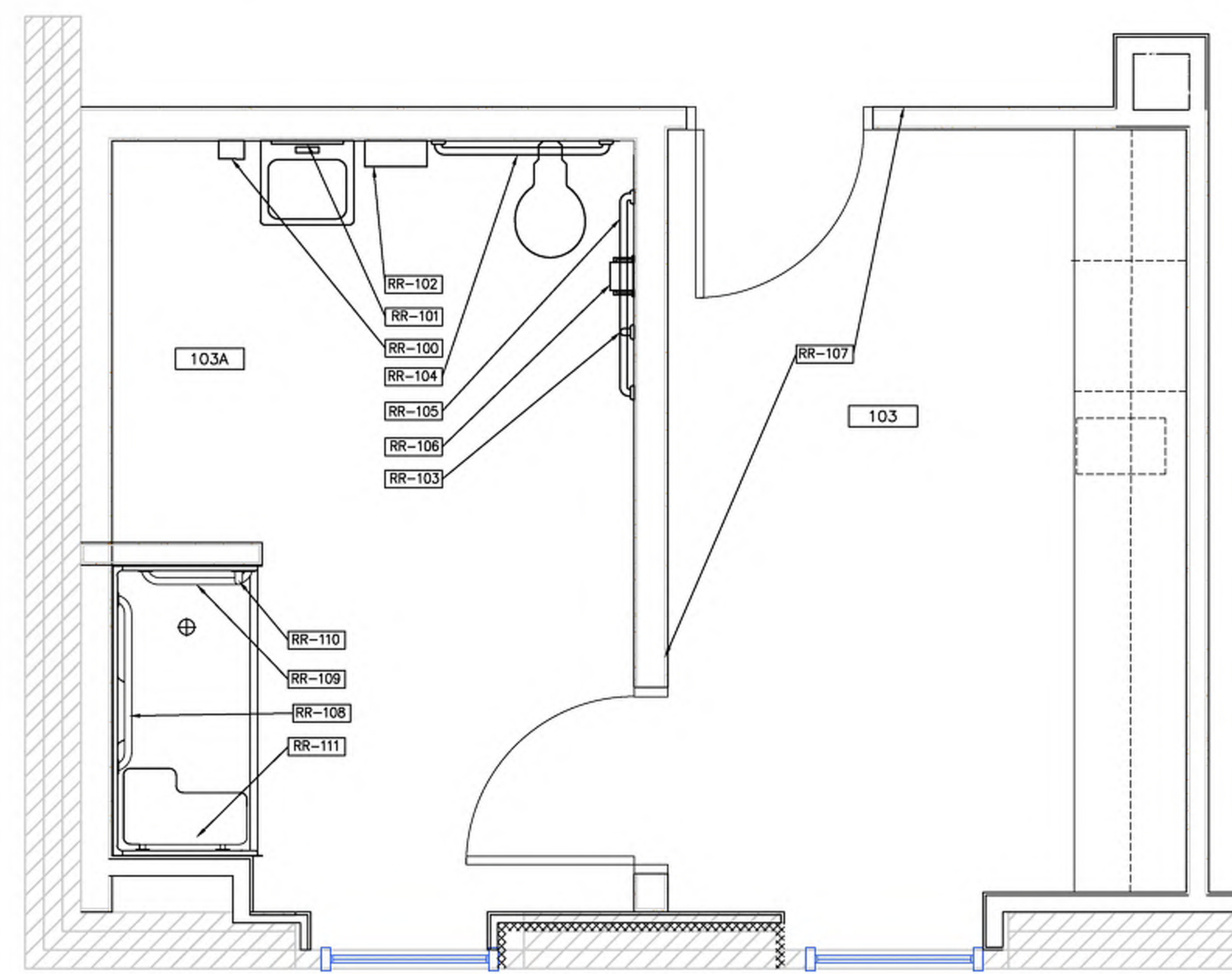


FRAMING PLAN

M-F LOBBY RR & DAYROOM RR

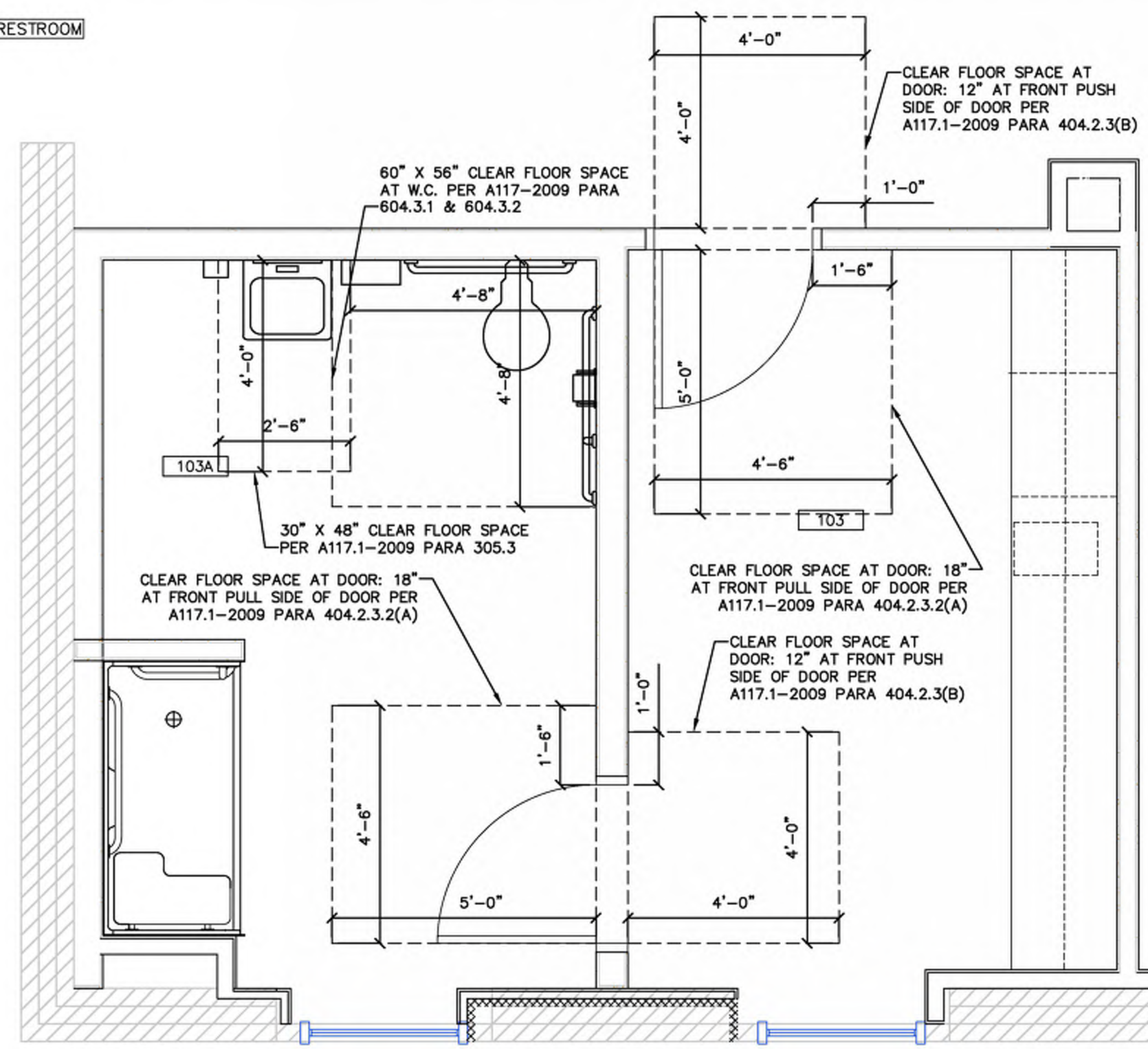
0 1' 2' 4'

SCALE: 1/2" = 1'-0"



0 1' 2' 4'

SCALE: 1/2" = 1'-0"



2' 4' 1/2" = 1'-0"

SEE SHEET P1 FOR PLUMBING FIXTURE SCHEDULE.
SEE SHEET G13.1, G13.2, G13.3 FOR FLOOR FRAMING.

GYPSONUM WALL BOARD SHALL BE MOISTURE RESISTANT IN RESTROOM

Diagram illustrating the floor plan of a bathroom, showing clearances and dimensions for a wheelchair (W.C.).

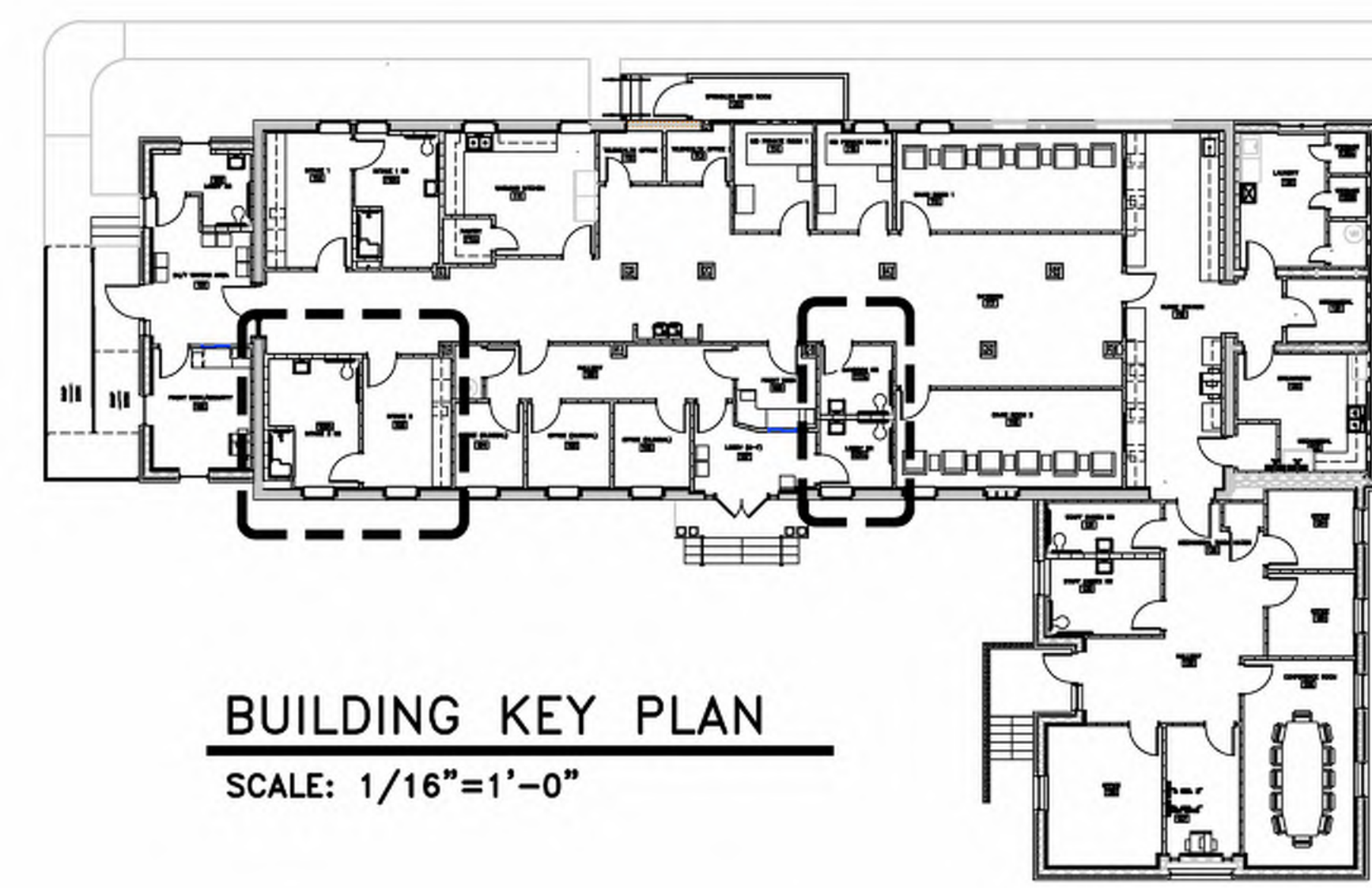
Key dimensions and clearances shown:

- Clear Floor Space at Door:** 12" at front push side of door per A117.1-2009 PARA 404.2.3(B).
- Clear Floor Space at Door:** 18" at front pull side of door per A117.1-2009 PARA 404.2.3.2(A).
- Clear Floor Space at Door:** 18" at front pull side of door per A117.1-2009 PARA 404.2.3.2(A).
- Clear Floor Space at Door:** 18" at front pull side of door per A117.1-2009 PARA 404.2.3.2(A).
- Clear Floor Space:** 30" x 48" clear floor space per A117.1-2009 PARA 305.3.
- Clear Floor Space:** 30" x 48" clear floor space per A117.1-2009 PARA 305.3.
- Clear Floor Space:** 60" x 56" clear floor space at W.C. per A117-2009 PARA 604.3.1 & 604.3.2.
- Clear Floor Space:** 60" x 56" clear floor space at W.C. per A117-2009 PARA 604.3.1 & 604.3.2.
- Clear Floor Space:** 30" x 48" clear floor space per A117.1-2009 PARA 305.3.
- Clear Floor Space:** 60" x 56" clear floor space at W.C. per A117-2009 PARA 604.3.1 & 604.3.2.

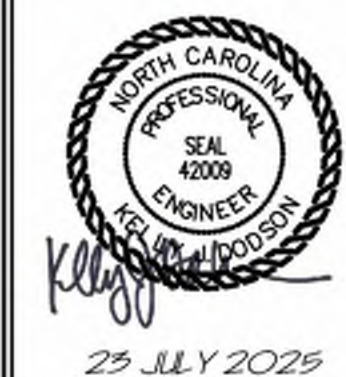
Other dimensions and labels include:

- 4'-0"
- 1'-0"
- 1'-6"
- 4'-6"
- 5'-0"
- 2'-6"
- 1'-6"
- 4'-0"
- 5'-0"
- 1'-0"
- 4'-0"
- 4'-0"
- 5'-0"
- 107A
- 117A

6 ADA CLEARANCES
G13.2 M-F LOBBY RR & DAYROOM RR



THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

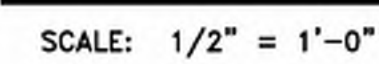


DESIGNED/CHECKED BY: KJD	FINAL DRAWING ☒ FOR REVIEW PURPOSES ONLY PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY FINAL DRAWING ☐ FOR CONSTRUCTION	OWNER/TEENANT: GOOD HOPE HOSPITAL 1115 ELM ST. SUITE 200, NC 28239
DRAWN BY: TS,SAN,GD,BT,JC,JDL		CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC.
PROJECT #: 2025-01-16		
DATE:		

PROJECT: **ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE**
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: **ADA RESTROOM DETAILS**

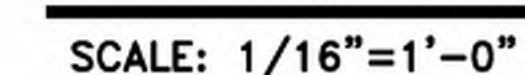
G13.2



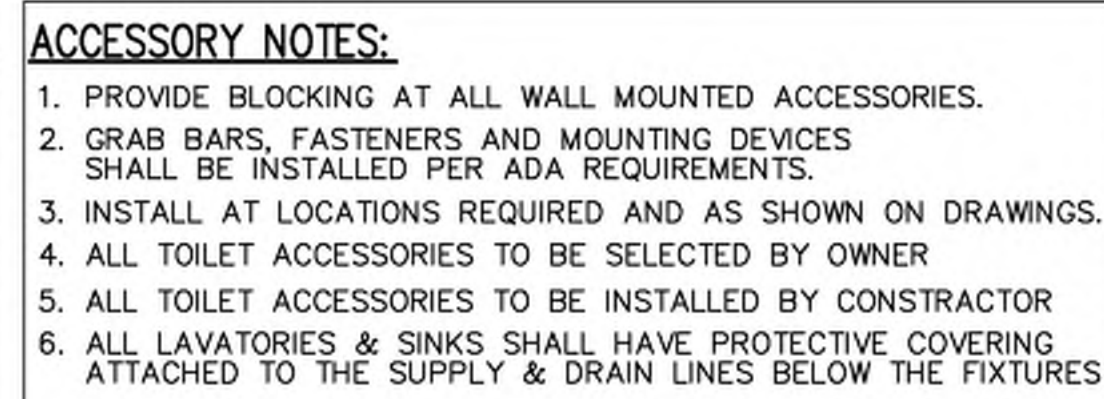
1. PROVIDE BLOCKING AT ALL WALL MOUNTED ACCESSORIES.
2. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS.
3. INSTALL AT LOCATIONS REQUIRED AND AS SHOWN ON DRAWINGS.
4. ALL TOILET ACCESSORIES TO BE SELECTED BY OWNER
5. ALL TOILET ACCESSORIES TO BE INSTALLED BY CONSTRUCTOR
6. ALL LAVATORIES & SINKS SHALL HAVE PROTECTIVE COVERING ATTACHED TO THE SUPPLY & DRAIN LINES BELOW THE FIXTURES

SEE SHEET P1 FOR PLUMBING FIXTURE SCHEDULE.
SEE SHEET G13.1, G13.2, G13.3 FOR FLOOR FRAMING.

GYPSON WALL BOARD SHALL BE MOISTURE RESISTANT IN RESTROOM



THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM



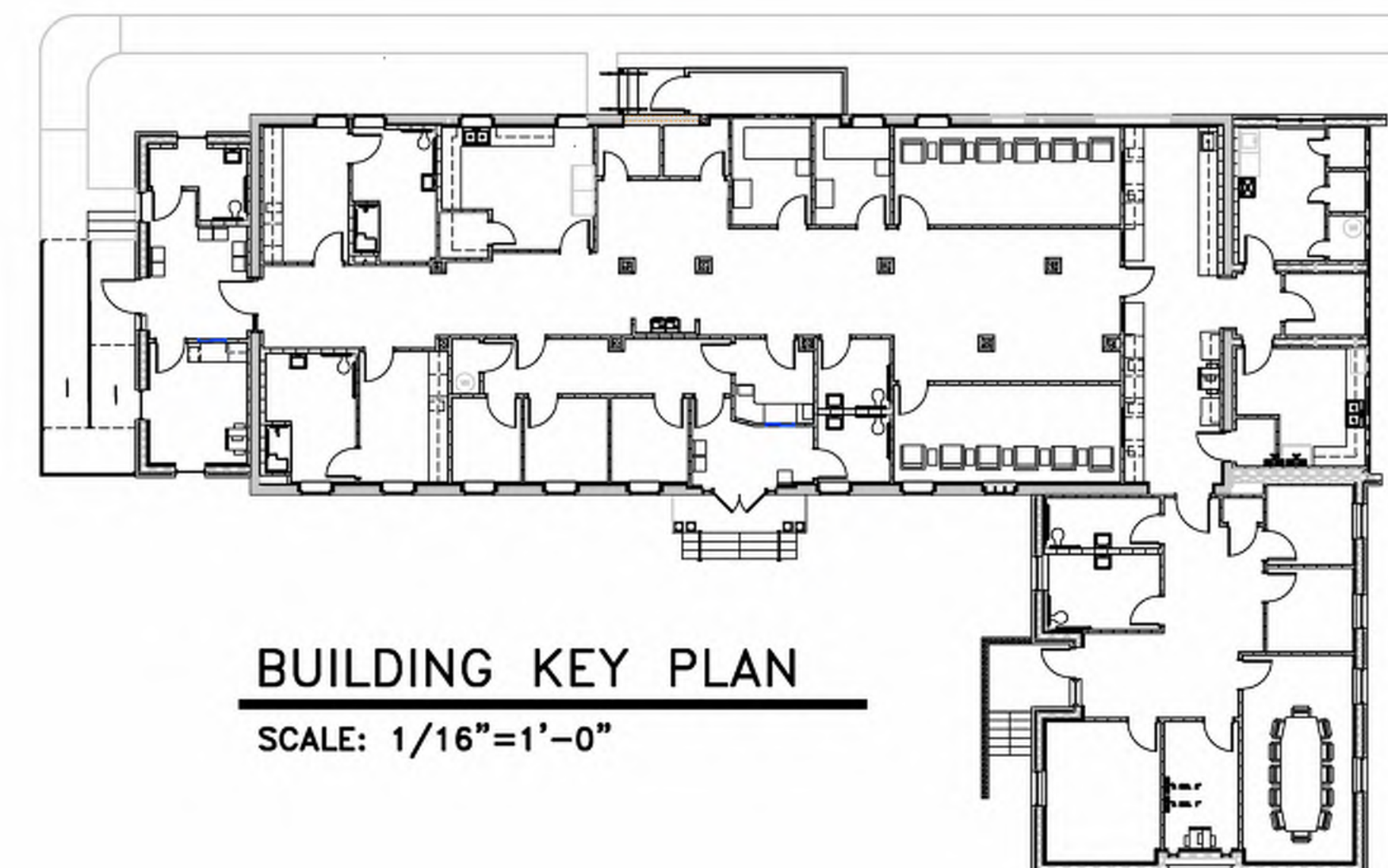
ACCESSORY LEGEND												
NO.	QUANTITY									ITEM DESCRIPTION	MODEL #	MANUFACTURER
	RM 100	RM 110	RM 110A	RM 103	RM 103A	RM 117A	RM 107A	RM 130	RM 131			
RR-100	1	—	1	—	1	1	1	1	1	SOAP DISPENSER (WALL MOUNT)	B-2111	BOBRICK
RR-101	1	—	1	—	1	1	1	1	1	MIRROR, 18"x36"	B-165 1836	BOBRICK
RR-102	1	—	1	—	1	1	1	1	1	PAPER TOWEL DISPENSER	B-2620	BOBRICK
RR-103	1	—	1	—	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 18" S.S. FIN.	B-5806 X 18	BOBRICK
RR-104	1	—	1	—	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 36" S.S. FIN.	B-5806 X 36	BOBRICK
RR-105	1	—	1	—	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 42" S.S. FIN.	B-5806 X 42	BOBRICK
RR-106	1	—	1	—	1	1	1	1	1	TOILET PAPER DISPENSER	B-273	BOBRICK
RR-107	1	1	—	1	—	1	1	1	1	RESTROOM SIGNAGE	RR-120-DCTS	COMPLIANCE SIGNS
RR-108	—	—	1	—	1	—	—	—	—	GRAB BAR 1-1/4" DIA X 36" S.S.	APFGSS X 36	FREEDOM
RR-109	—	—	1	—	1	—	—	—	—	GRAB BAR 1-1/4" DIA X 22" S.S.	APFGSS X 22	FREEDOM
RR-110	—	—	1	—	1	—	—	—	—	VERTICAL GRAB BAR 1-1/4" DIA X 24" S.S.	APFGSS X 24	FREEDOM
RR-111	—	—	1	—	1	—	—	—	—	SHOWER SEAT 26"x22.5" LEFT HAND	APFSSL2-260225PW	FREEDOM

SEE SHEET P1 FOR PLUMBING FIXTURE SCHEDULE.
SEE SHEET G13.1, G13.2, G13.3 FOR FLOOR FRAMING.

GYPSON WALL BOARD SHALL BE MOISTURE RESISTANT IN RESTROOM

MOUNTING HEIGHTS & REQUIRED CLEARANCES FOR ADA

SCALE: 1/2" = 1'-0"



BUILDING KEY PLAN

SCALE: 1/16"=1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM



DRAWN BY:	TS,SAN,GD,BT,JC,JDL
PROJECT #:	2025-01-16
DATE:	23 JULY 2025

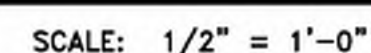
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☐ FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 EDMAN DRIVE, ERMEN, NC 28339

CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TUGHRMAN DRIVE, DUNN, NC 28334

ALTERNATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339
SHEET:
ADA RESTROOM DETAILS

G13.4



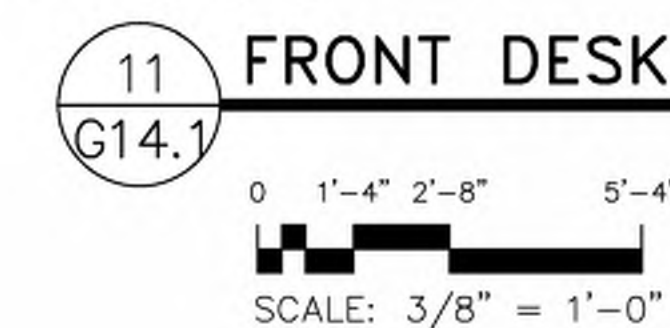
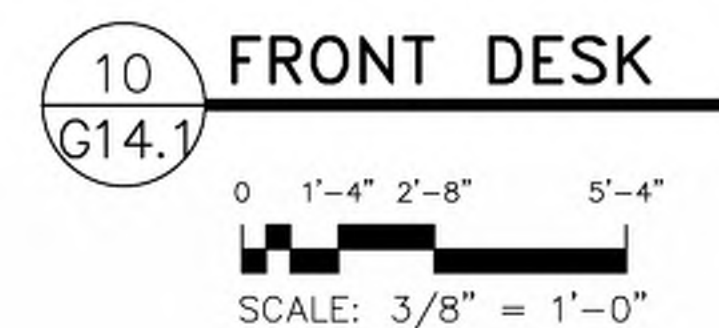
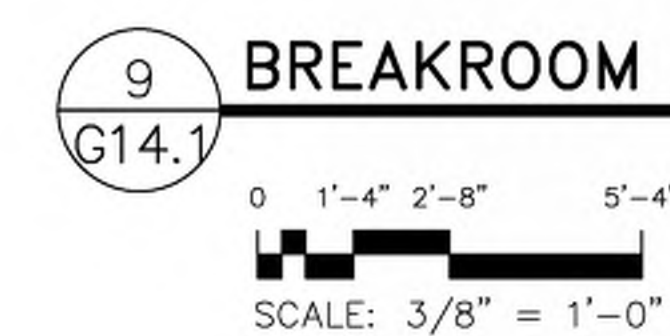
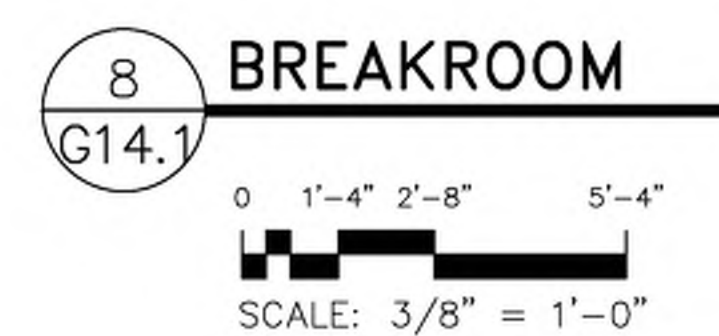
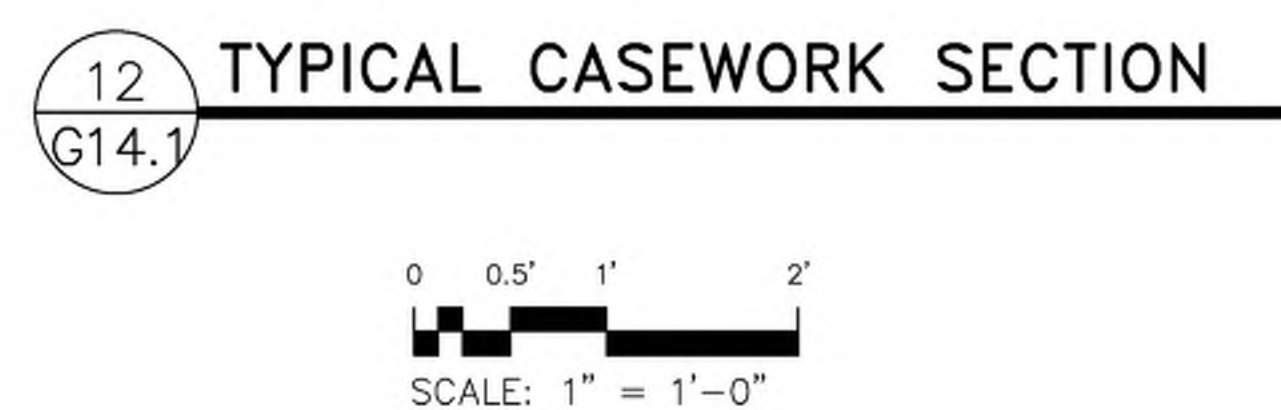
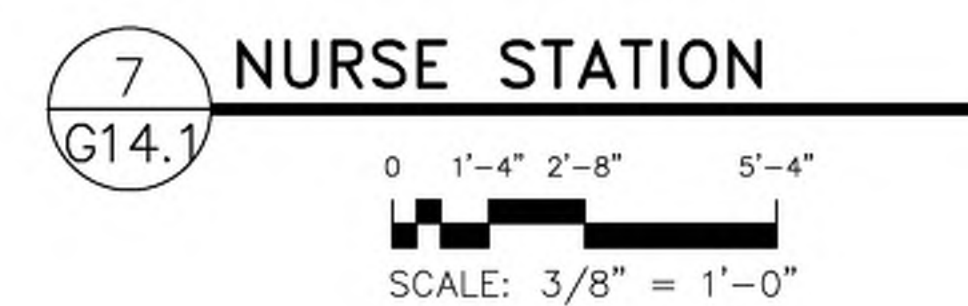
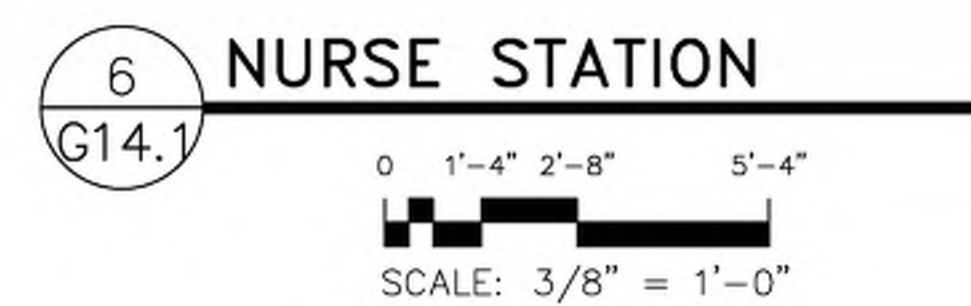
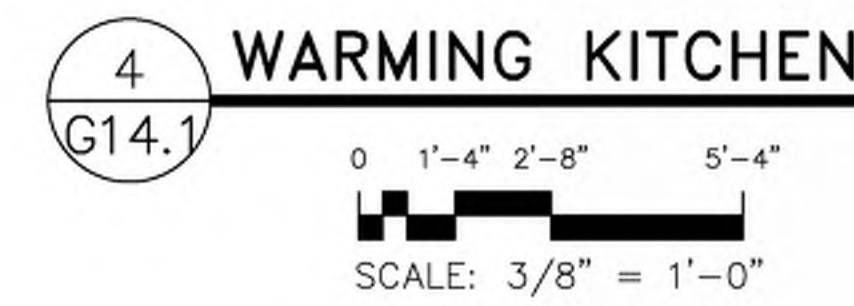
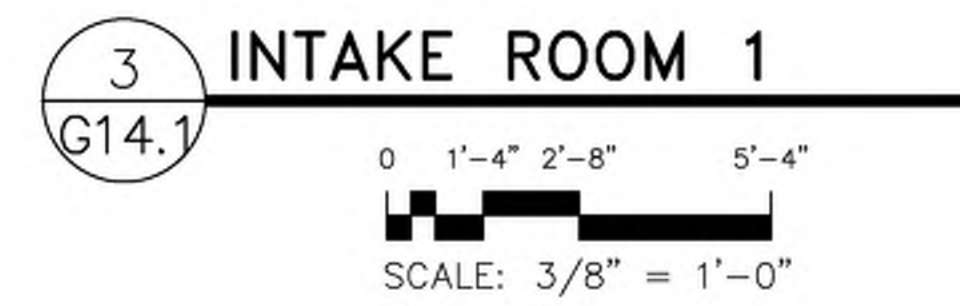
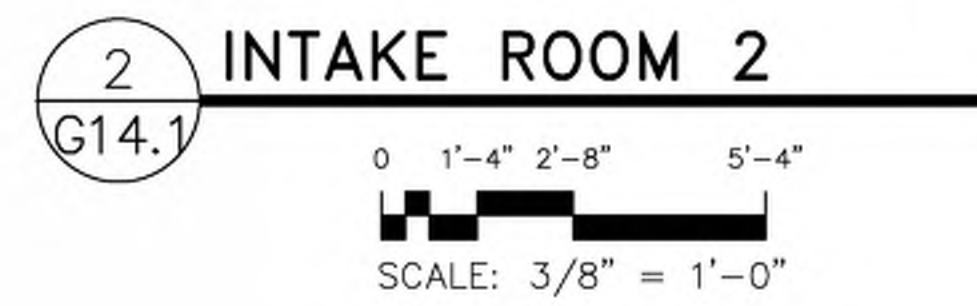
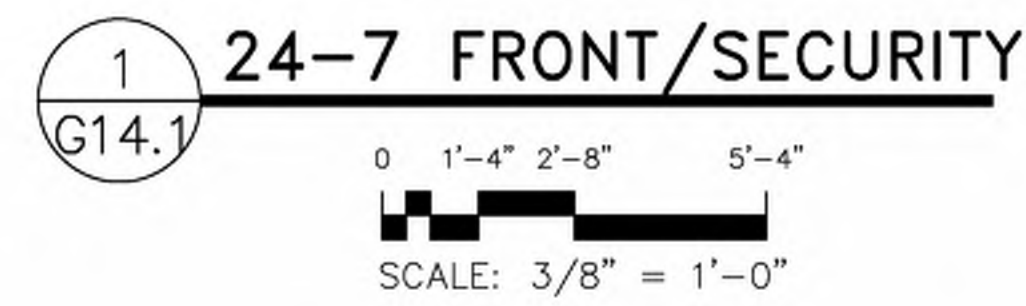
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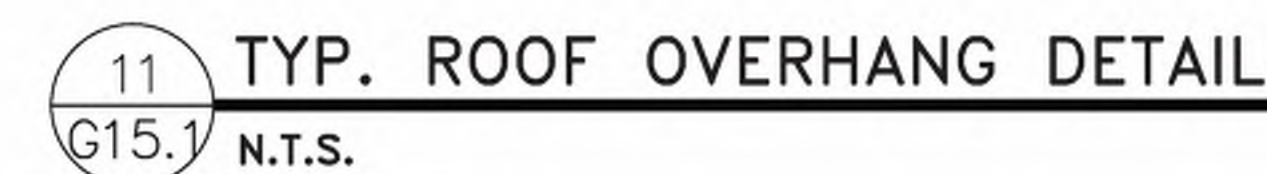
SEE SHEET P1 FOR PLUMBING FIXTURE SCHEDULE.
SEE SHEET G13.1, G13.2, G13.3 FOR FLOOR FRAMING.

GYPSON WALL BOARD SHALL BE MOISTURE RESISTANT IN RESTROOM

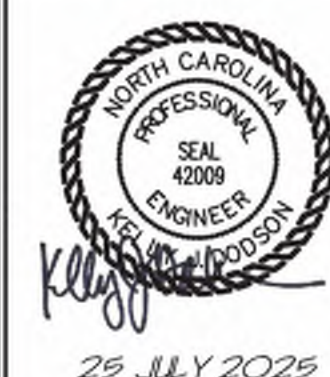


SCALE: 1/16"=1'-0"





THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM



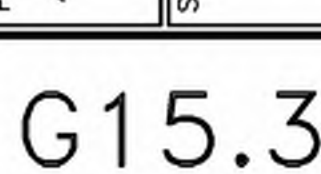
	FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY FINAL DRAWING ☒ FOR PERSONAL RECORD ONLY FINAL DRAWING ☒ FOR CONSTRUCTION		DESIGNED/CHECKED BY: TS.SAM.GB.BT.LC.IDL
	DRAWN BY: GOOD HOPE HOSPITAL 410 DOWM DRIVE, DOWM, NC 28539		PROJECT #: 2025-01-16
CONTRACTOR/BUILDER: SITE GENERAL CONTRACTORS LLC.			DATE: 05 JULY 2025

PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: EXISTING/NEW FLOOR PLAN & SECTIONS
(STORAGE ROOM)

G15.1

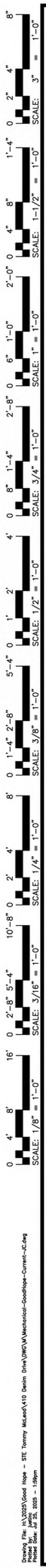
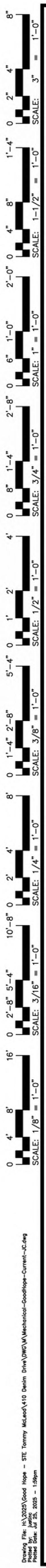




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 Printed On: 06/26/2005 1:05pm
 Drawing Date: 06/26/2005 1:05pm

0'	4'	8'	16'	0'	2'-8"	5'-4"	10'-8"	0'	2'	4'	8'	0'	1'-4"	2'-8"	5'-4"	0'	1'	2'	4'	8'	0'	8"	1'-4"	2'-8"	5'-4"	0'	6"	1'-0"	2'-0"	0'	4"	8"	1'-4"	0'	2"	4"	8"																																																														
SCALE: 1/8" = 1'-0"										SCALE: 3/16" = 1'-0"										SCALE: 1/4" = 1'-0"										SCALE: 3/8" = 1'-0"										SCALE: 1/2" = 1'-0"										SCALE: 3/4" = 1'-0"										SCALE: 1" = 1'-0"										SCALE: 1 1/2" = 1'-0"										SCALE: 2" = 1'-0"										SCALE: 3" = 1'-0"									

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MECHANICAL SCOPE OF WORK

THIS MECHANICAL SCOPE OF WORK INCLUDES THE INSTALLATION OF—

- THREE (3) NEW 4-TON HEAT PUMP (HP) SPLIT—SYSTEMS
- CONCRETE EQUIPMENT PADS FOR OUTDOOR HP UNITS
- SUPPORT FRAMING & VIBRATION ISOLATORS FOR ATTIC AIR HANDLER (AH) UNITS
- SECONDARY DRAIN PANS & FLOOD SWITCHES FOR ALL HVAC UNITS
- INSULATED HVAC DUCTWORK W/ SUPPORTS & NOISE/VIBRATION CONTROL FOR SUPPLY AND RETURN AIR DISTRIBUTION.

•• NOTE—DUCTWORK WILL PENETRATE HOLLOW TILE AT FLOOR. THE STRUCTURAL INTEGRITY OF THE EXISTING FLOORS MUST BE MAINTAINED. ALL TRADES SHALL INSPECT EXISTING FIELD CONDITIONS, REVIEW AS—BUILT & STRUCTURAL DOCUMENTATION IN THIS PLAN SET, & COORDINATE LOCATION/ROUTING OF ROUGH—INS PRIOR TO SAWCUTTING DUCT PENETRATIONS IN THE EXISTING CONSTRUCTION.

- VOLUME/CONTROL, BALANCING/FIRE DAMPERS, SUPPLY DIFFUSERS, & RETURN GRILLES PER LAYOUT.
- PROGRAMMABLE THERMOSTATS & CONTROLS
- REFRIGERANT & CONDENSATE PIPING:
- CONTROLS & ELECTRICAL COORDINATION:
- TESTING, ADJUSTING, BALANCING OF HVAC SYSTEM.

DESCRIPTION AND SEQUENCE OF OPERATION OF HVAC SYSTEM

THE HVAC SYSTEM CONSISTS OF:

- EQUIPMENT TO PROVIDE CONSTANT VOLUME HEATING/COOLING/VENTILATION TO ALL SPACES:
 - *** SPLIT SYSTEM UNITS
 - *** (3) 4-TON HEAT PUMP/AIR HANDLER

OCCUPIED OPERATION

- THE SUPPLY FANS SHALL RUN CONTINUOUSLY TO PROVIDE THE REQUIRED VENTILATION RATE.
- SEE VENTILATION CALCULATIONS ON SHEET M3.
- IN COOLING MODE, A RISE IN TEMPERATURE BEYOND SET POINT OF PROGRAMMABLE T–STAT WILL RESULT IN ACTIVATION OF DX COOLING CYCLE UNTIL DESIRED TEMPERATURE IS REACHED.
- IN HEATING MODE, A RISE FROM T–STAT WILL ACTIVATE GAS HEATING UNTIL DESIRED TEMPERATURE IS REACHED.

UNOCCUPIED OPERATION

- THE SUPPLY FAN SHALL BE INDEXED OFF AND GRAVITY OR MOTORIZED OUTSIDE AIR DAMPER SHALL BE CLOSED.
- PROGRAMMABLE THERMOSTATS AND REMOTE SENSORS SHALL PROVIDE CONTROL OF EACH UNIT.

EXHAUST FAN OPERATION

- THE RESTROOM EXHAUST FANS SHALL BE SWITCHED WITH LIGHTING FOR TOILETS.

APPENDIX B MECHANICAL DESIGN SUMMARY

PROJECT NAME: GOOD HOPE

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
METHOD OF COMPLIANCE
PRESCRIPTIVE ☒ ENERGY COST BUDGET ☐

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

THERMAL ZONE: ZONE 4 NORTH CAROLINA
WINTER DRY BULB: 17.0 F
SUMMER DRY BULB: 97.0 F

INTERIOR DESIGN CONDITIONS
WINTER DRY BULB: 65°
SUMMER DRY BULB: 78°
RELATIVE HUMIDITY: 50%

BUILDING HEATING LOAD: 298.6 MWH
BUILDING COOLING LOAD: 174.9 MWH

NEW MECHANICAL SPACING CONDITIONING SYSTEM

UNITARY
DESCRIPTION OF UNIT: 4-TON SPLIT SYSTEM

HEATING EFFICIENCY: 8.0 HSPF (8.0 HSPF
MINIMUM EFFICIENCY, TABLE 440.3.2.3 (2))

COOLING EFFICIENCY: 14 SEER (14 SEER MINIMUM
EFFICIENCY, TABLE 440.3.2.3 (2))

SIZE CATEGORY OF UNIT: 5.0 TON (< 65,000 BTU/H)

DESIGNER STATEMENT: TO THE BEST OF MY KNOWLEDGE AND BELIEF,
THE DESIGN OF THIS BUILDING COMPLIES WITH THE MECHANICAL
SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT REQUIREMENTS OF THE
INTERNATIONAL ENERGY CODE, THE HVAC UNIT QUALIFIES AS MORE
EFFICIENT MECHANICAL EQUIPMENT DESCRIBED IN THE CODE.

SIGNED: *Buddy Jenkins*
NAME: BUDDY JENKINS
TITLE: ENGINEER

MECHANICAL NOTES

ALL WORK SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA MECHANICAL CODE 2018 EDITION, ASHRAE, SMACNA, AND NFPA.

STRUCTURAL MEMBERS OF THE BUILDING SHALL NOT BE CUT IN ANY MANNER FOR THE INSTALLATION OF ANY EQUIPMENT UNLESS PRIOR APPROVAL IS OBTAINED.

THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS AND ROUTING OF ALL DUCTWORK, PIPING, AND EQUIPMENT WITH OTHER TRADES TO AVOID CONFLICT.

THE MECHANICAL CONTRACTOR SHALL MAKE A COMPLETE REVIEW OF THE MECHANICAL PLANS, SCHEDULES, AND DETAILS PRIOR TO INSTALLATION OF THE MECHANICAL SYSTEMS AND REVIEW ANY CONFLICTS WITH THE GENERAL CONTRACTOR.

THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO INSTALLATION OF THIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE. THINK OF OTHER CONTRACTORS AND THEIR REQUIREMENTS IN VERTICAL CHASES AND WALL MOUNT SPACE.

ALL CONTRACTORS TO FOLLOW THIS ORDER OF PRIORITY:

1. STORM AND SANITARY SEWER LINES
2. DUCTWORK AND HVAC SYSTEMS
3. HOT AND COLD WATER LINES
4. RIGID CONDUIT
5. CABLE

THE MECHANICAL CONTRACTOR SHALL COORDINATE SIZE AND LOCATION OF ALL PENETRATIONS (PERTAINING TO HIS WORK) THROUGH THE ROOF, WALLS, FLOORS WITH THE GENERAL CONTRACTOR, ANY WATERPROOFING AROUND THE OPENINGS TO BE COMPLETED BY THE GENERAL CONTRACTOR.

THE MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL HIS OWN SUPPORT DEVICES, ALL LOCATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS PRIOR TO INSTALLATION. ALL PLATFORMS AND WALKWAYS IN 2nd FLOOR SPACES ARE PROVIDED BY THE GENERAL CONTRACTOR. THE MECHANICAL CONTRACTOR TO COORDINATE THE LOCATION AND DIMENSIONS OF ALL PLATFORMS IN THE 2nd FLOOR WITH THE GENERAL CONTRACTOR.

ALL EQUIPMENT HAVING ROTATING OR MOVING PARTS SHALL HAVE VIBRATION ISOLATORS TO ELIMINATE TRANSMISSION OF OBJECTABLE NOISE TO OTHER MATERIAL OR EQUIPMENT.

WHERE OUTSIDE AIR INTAKE DUCTWORK CONNECTS TO OUTSIDE AIR LOUVER, THE INSIDE FACE OF THE DUCTWORK SHALL BE PRIMED AND PAINTED WITH (2) TWO COATS OF FLAT BLACK TO PREVENT DUCTWORK FROM BEING VISIBLE.

THE MECHANICAL CONTRACTOR SHALL PROVIDE NAMEPLATES FOR IDENTIFICATION OF ALL EQUIPMENT. THE NAMEPLATES SHALL BE LAMINATED PLEXIGLAS, BLACK FRONT AND BACK WITH WHITE CORE, WHITE ENGRAVED LETTERS (1/4" HIGH MINIMUM) ETCHED INTO THE WHITE CORE. NAME TAGS TO BE MOUNTED WITH SELF-TAPPING SHEET METAL SCREWS.

ALL EQUIPMENT MATERIALS AND WORKSMANSHIP SHALL BE GUARANTEED TO BE FREE OF DEFECTS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK OR IN ACCORDANCE WITH THE PARTICULAR MANUFACTURER'S STANDARD GUARANTEE IF LONGER. ANY FAULTY MATERIAL OR WORKSMANSHIP OR FAILURE OF ANY PART OF THE SYSTEM DURING NORMAL OPERATIONS UNDER THIS GUARANTEE SHALL BE CORRECTED WITHOUT COST TO THE OWNER.

THE MECHANICAL CONTRACTOR SHALL CLEAN ALL OF HIS EQUIPMENT PRIOR TO FINAL CLOSE OUT OF THIS PROJECT TO BE FREE OF ANY DIRT OR DEBRIS IN DRAIN PANS, CONDENSATE DRAINS, CONDENSING UNIT COLLS, AND ETC.

ALL EQUIPMENT SHALL BE LOCATED AND INSTALLED TO PROVIDE MAXIMUM SPACE FOR MAINTENANCE AND SERVICE.

PROVIDE EQUIPMENT SUPPORT PAD FOR ALL BASE MOUNTED EQUIPMENT. PAD SHALL BE 4" HIGH OR PREFABRICATED CONCRETE PAD FOR ALL CONDENSING UNITS, AND PACKAGE UNITS, 4" MINIMUM FROM EQUIPMENT EDGE TO END OF PAD ON ALL SIDES.

THE MECHANICAL CONTRACTOR SHALL CONFIRM ALL BREAKER AND DISCONNECT SIZES OF HIS EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING ANY EQUIPMENT FOR THIS PROJECT.

CONDENSATE DRAINS SHALL BE A MINIMUM OF 3/4" P PVC PIPE. A P-TRAP SHALL BE INSTALLED IN PIPE AT THE UNIT. ALL CONDENSATE LINES SHALL BE ROUTED AS INDICATED ON PLANS.

SEE SHEET P2.2 FOR HVAC CONDENSATE PIPING LAYOUT.

INSTALL FLEXIBLE DUCT CONNECTION AT SUPPLY AND RETURN DUCTWORK CONNECTIONS TO ALL AIR HANDLING UNITS, FAN BOXES, ETC.

DESIGN CRITERIA NOTES:

ALL SUPPLY, RETURN, EXHAUST AND OUTDOOR AIR DUCTWORK (WITH THE EXCEPTION OF COMMERCIAL KITCHEN DUCTWORK) SHALL BE SIZED AT 0.08" PER 100'-0" OF DUCT FOR EXTERNAL STATIC PRESSURE. ALL DUCTWORK SHALL BE 1" WIG PRESSURE CLASS.

ECONOMIZERS ARE REQUIRED FOR ANY HVAC SYSTEM WITH A COOLING CAPACITY OF 65,000 BTU/HR OR GREATER (NCECC 503.3.1)

CORRIDORS SHALL NOT SERVE AS SUPPLY, RETURN, EXHAUST, RELIEF OR VENTILATION AIR DUCTS; CORRIDORS MAY BE USED FOR MAKEUP AIR PROVIDED TO TOILET AREAS FOR EXHAUST MAKEUP PROVIDING THE CORRIDOR IS PROVIDED WITH AN OUTSIDE AIR RATE GREATER THAN THE MAKEUP REQUIRED FOR EXHAUST. (NOCM 601.2)

HVAC SYSTEM SHALL HAVE PROGRAMMABLE THERMOSTAT CAPABLE OF OFF HOUR CONTROLS (NIGHT SETBACK) TO MAINTAIN NO MORE THAN 85°F OR NO LESS THAN 57°F (NECEC 503.2.4.3, 503.2.4.3.1 & 503.2.4.3.2)

THE MECHANICAL CORRIDOR SHALL PROVIDE AND INSTALL A DUCT MOUNTED SMOKE DETECTOR IN THE RETURN AIR DUCT AT EACH UNIT IN ACCORDANCE WITH NORTH CAROLINA BUILDING CODE EDITION 2018: THE MECHANICAL CORRIDOR TO WIRE FROM THE DETECTOR TO EACH UNIT.

DUCTWORK NOTES:

ALL DUCTWORK, PIPING, EQUIPMENT, ETC. SHALL BE SUPPORTED FROM THE BUILDING SUPPORT STRUCTURE AND NOT THE ROOF.

ALL DUCT LAYOUT AND LOCATIONS ARE SHOWN DIAGMAMTIC. THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE BUILDING CONDITIONS AND COORDINATE THE DUCT LAYOUT WITH ALL CONTRACTORS PRIOR TO INSTALLATION.

ALL DUCTWORK SHALL BE CONSTRUCTED OF SHEET METAL IN ACCORDANCE WITH ASHRAE & SMACNA. DUCT SIZES SHOWN ARE NET FREE AREA REQUIRED.

VOLUME OR SPLITTER DAMPERS SHALL BE INSTALLED WHERE NECESSARY TO GUIDE AND CONTROL THE AIR FLOW. TURNING VANES ARE REQUIRED IN ALL ELBOWS AND AIR DEFLECTION DEVICES WILL BE INSTALLED WHERE REQUIRED FOR A BALANCED FLOW. RIGID METAL SLEEVES SHALL BE USED TO PROTECT THE DUCTS FROM PASS THROUGH WALLS.

ALL DUCTS SHALL BE AIR TIGHT. DUCTS MADE FROM VIBRATION AND NOISE. ALL Joints SHALL BE IN THE DIRECTION OF FLOW AND SPLITTED. (NCEC 603.9) & NCEC 503.2.

FLEXIBLE DUCT RUNS SHALL NOT EXCEED 12'-0" IN LENGTH. FLEXIBLE DUCT SHALL BE SUPPORTED EVERY 5'-0". MAXIMUM SAG IS A 1/2 INCH PER FOOT OF SPACING BETWEEN SUPPORTS. SADDLE MATERIAL IN CONTACT WITH THE FLEXIBLE DUCT SHALL BE WIDE ENOUGH SO THAT IT DOES NOT REDUCE THE INTERNAL DIAMETER OF THE DUCT. THE SADDLE MATERIAL SHALL BE OF THE SAME OR BETTER QUALITY AND RESISTANCE AS THE INTERNAL DIAMETER OF THE FLEXIBLE DUCT AND FIT NEATLY AROUND THE LOWER HALF OF THE DUCT'S OUTER CIRCUMFERENCE.

PROVIDE PERMANENT MANUAL DAMPERS IN ALL SUPPLY AND RETURN AIR DUCTS AT THE MAIN TRUNK LINE FOR SYSTEM BALANCING. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR BALANCING THE AIR DISTRIBUTION SYSTEM AFTER THE SYSTEM HAS BEEN INSTALLED AND EQUIPMENT IS OPERATING. MANUAL DAMPERS ARE REQUIRED TO BE INSTALLED IN THE RETURN AIR DUCT IF THE DUCT IS RETURNING AIR FROM INDIVIDUAL ROOMS. MANUAL DAMPERS ARE NOT REQUIRED IF THE DUCT IS RETURNING AIR FROM CENTRALLY LOCATED FILTER/RETURN GRILLES.

THE OUTSIDE AIR INTAKE DUCTWORK SHALL BE HARD ROUND DUCT, FLEXIBLE DUCT WILL NOT BE ACCEPTED. SEE PLAN FOR DUCT SIZE.

ALL OUTSIDE AIR INTAKE DUCTS SHALL HAVE A FILTER BOX TO HOUSE A MINIMUM OF 16 IN. X 20 IN. X 2 IN. THICK FILTER, U.N.O. AT EACH AIR HANDLING UNIT EITHER IN THE 2nd FLOOR OR CRAWL SPACE. THE FILTER BOX SHALL HAVE A HINGED DOOR THAT IS GASKETED TO MAINTAIN A AIRTIGHT SEAL WITH A THUMBSCREW TO ACCESS THE FILTER.

THE OUTSIDE AIR FILTER SHALL BE THE HI-E 40 AS MANUFACTURED BY PUROLATOR PRODUCTS AIR FILTRATION COMPANY, OR APPROVED EQUAL. AIR FILTER SHALL BE (2) TWO INCHES DEEP, MEDIUM EFFICIENCY, PLEATED MEDIA, DISMOUNTABLE PANEL TYPE. THE FILTER MEDIA SHALL BE SELF-EXTINGUISHING NON-WOVEN COTTON AND SYNTHETIC FIBERS. THE FILTER MEDIA SHALL BE BONDED TO A 28-GAUGE CORROSION RESISTANT, EXPANDED METAL SUPPORT GRID WITH A 95% OPEN FACE AREA.

THE MECHANICAL CONTRACTOR SHALL PROVIDE THREE (3) SETS OF FILTERS FOR EACH NEW AIR DISTRIBUTION UNIT:

- 1ST SET FOR INITIAL INSTALLATION OF EQUIPMENT & DUCTWORK ROUGH-IN
- 2ND SET FOR TEST & BALANCING
- 3RD SET FOR THE CLIENT/OWNER AFTER FINAL INSPECTION

DUCT/PIPING INSULATION NOTES:

PER 2018 NC ENERGY CONSERVATION CODE C403.2.9-
SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION
WHERE LOCATED IN UNCONDITIONED SPACES INSIDE THE BUILDING.
WHERE LOCATED OUTDOORS, SUPPLY AND RETURN DUCTS SHALL BE INSULATED WITH A MINIMUM OF R-8 INSULATION.

WHERE LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, SUCH AS A WALL OF THE BUILDING THERMAL ENVELOPE, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED SPACE BY A MINIMUM OF R-8.

EXCEPTION: WHERE LOCATED WITHIN EQUIPMENT, DUCTS, AIR HANDLERS AND FILTER BOXES SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH SECTION 603.9 OF THE INTERNATIONAL MECHANICAL CODE.

ACCEPTABLE MANUFACTURER(S) ARE:
JOHNSON MANVILLE.

LIQUID AND SUCTION PIPING TO AND FROM AIR HANDLING UNITS SHALL BE INSULATED WITH 1-1/2" THICK PIPE INSULATION IN ACCORDANCE WITH TABLE 503.2.8 OF THE NC ENERGY CODE 2018 EDITION.

ALL FLEXIBLE DUCT REQUIRING INSULATION SHALL HAVE A VALUE OF AT LEAST R-6.0. THE FLEXIBLE DUCT SHALL BE ATCO RUBBER PRODUCTS, INC. UPC NO. 036 OR APPROVED EQUAL WITH A REINFORCED METALLIZED POLYESTER JACKET. THE INNER CORE IS AIRTIGHT AND IS DESIGNED FOR LOW TO MEDIUM OPERATING PRESSURES IN HVAC SYSTEMS. AIR DUCT CONNECTIONS AND JOINTS SHALL BE MADE PER INSTALLATION INSTRUCTIONS OBTAINED BY ATCO.

OUTSIDE AIR INTAKE DUCTWORK AND EXHAUST DUCTWORK IS TO BE UNINSULATED.



BJ	
DRAWN BY:	TS,SAN,GD,BT,JC,JDL
PROJECT #:	2025-01-16
DATE:	25 JULY 2025

PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY FINAL DRAWING ☒ FOR CONSTRUCTION	OWNER/TENANT: GOOD HOPE HOSPITAL 410 DECHAM DRIVE, ERWIN, NC 28339	CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC. 100 E. DECHAM DRIVE, ERWIN, NC 28339
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SHEET:

MECHANICAL SUMMARY AND EQUIPMENT SCHEDULES

GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION

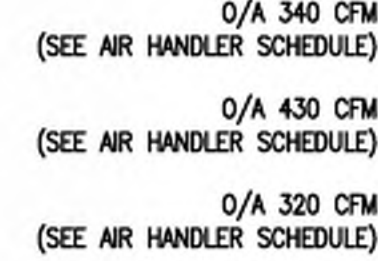
410 DENIM DRIVE, ERWIN, NC 28339

M 1



M2





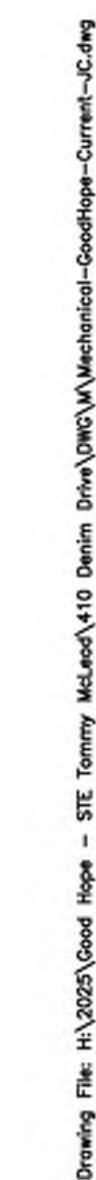
1 AH VENTILATION
M4 NOT TO SCALE

ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	NET SQUARE FOOTAGE (A ₂)	CEILING HEIGHT IN FEET (C ₁ H ₁ T)	VOLUME (CF) A ₂ ×C ₁ H ₁ T	SUPPLY AIR (CFM)	AIR CHANGES PER HOUR (ACH ₅)	OCCUPANCY DENSITY PER 1000 NET SQ. FT.	OCCUPANTS (P ₂)	OUTSIDE AIR CFM PER PERSON (R _p)	OUTSIDE AIR CFM PER SQ. FT. (R _a)	(R _p ×P ₂)	(R _a ×A ₂)	O.A. CFM REQUIRED (V _{o2}) R _p ×P ₂ + R _a ×A ₂	ZONE O.A. AIR FLOW (E ₂) ^a	ADJUSTED O.A. V _{o2} = V _{o2} /E ₂	EXHAUST CFM REQUIRED
100	LOBBY RR	LOBBIES/PREFUNCTION	59	8.5	501.5	100	11.96	30	2	7.5	0.06	13.28	3.54	16.82	0.8	21.02	
101	WAITING AREA	LOBBIES/PREFUNCTION	139	8.5	1181.5	100	5.08	30	4	7.5	0.06	31.28	8.34	39.62	0.8	49.52	
102	FRONT DESK	RECEPTION AREAS	127	8.5	1079.5	100	5.56	30	4	5.0	0.06	19.05	7.82	26.67	0.8	33.34	
103	INTAKE 2 OFFICE	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.96	4.74	6.72	0.8	8.39	
103A	INTAKE 2 RR	RESTROOM—PUBLIC	79	8.5	671.5	100	8.94	0	0	0.0	0	0.00	0.00	0.00	0.8	0.00	70 PER FLUSHING FIXTURE
104	OFFICE CLINICAL	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.96	4.74	6.72	0.8	8.39	
105	OFFICE CLINICAL	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.96	4.74	6.72	0.8	8.39	
106	OFFICE CLINICAL	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.96	4.74	6.72	0.8	8.39	
109	HALLWAY	CORRIDOR	63	8.5	535.5	100	11.20	0	0	0.0	0.06	0.00	3.78	3.78	0.8	4.73	
110	INTAKE 1	OFFICE SPACES	260	8.5	2210	100	2.71	5	1	5.0	0.06	6.50	15.60	22.10	0.8	27.63	
110A	INTAKE 1 RR	RESTROOM—PUBLIC	125	8.5	1062.5	100	5.65	0	0	0.0	0	0.00	0.00	0.00	0.8	0.00	70 PER FLUSHING FIXTURE
111	WARMING KITCHEN	KITCHENS (COOKING)	168	8.5	1428	1000	42.02	0	0	0.0	0.00	0.00	0.00	0.00	0.8	0.00	1 PER SQ. FT.
117(1)	DAYROOM	DAY ROOM	558	8.5	4743	100	1.27	30	17	5.0	0.06	83.70	33.48	117.18	0.8	146.48	
TOTALS						2200			29					OUTSIDE AIR SUB-TOTAL (A)		316.28	EXHAUST AIR SUB-TOTAL (B)
														TOTAL OUTSIDE AIR CFM REQUIRED — USE LARGEST (A OR B) VALUE			316.28
														TOTAL OUTSIDE AIR CFM PROVIDED			320

ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	NET SQUARE FOOTAGE (A ₂)	CEILING HEIGHT IN FEET (C ₁ H ₁)	VOLUME (CF) A ₂ C ₁ H ₁	SUPPLY AIR (CFM)	AIR CHANGES PER HOUR (ACH ₅)	OCCUPANCY DENSITY PER 1000 NET SQ. FT.	OCCUPANTS (P ₂)	OUTSIDE AIR CFM PER PERSON (R ₁)	OUTSIDE AIR CFM PER SQ. FT. (R ₂)	(R ₁ P ₂)	(R ₂ A ₂)	O.A. CFM REQUIRED (N ₂) R ₁ P ₂ + R ₂ A ₂	ZONE O.A. AIR FLOW (E ₂) ^a	ADJUSTED O.A. Vol = Vol ₂ /E ₂	EXHAUST CFM REQUIRED
107	LOBBY (M-F)	LOBBIES/PREFUNCTION	71	8.5	603.5	100	9.94	30	2	7.5	0.06	15.98	4.26	20.24	0.8	25.29	
107A	LOBBY RR	LOBBIES/PREFUNCTION	59	8.5	501.5	100	11.96	30	2	7.5	0.06	13.28	3.54	16.82	0.8	21.02	
108	FRONT DESK	LOBBIES/PREFUNCTION	139	8.5	1181.5	100	5.08	30	4	7.5	0.06	31.28	8.34	39.62	0.8	49.52	
112	TELEHEALTH OFFICE 1	RECEPTION AREAS	127	8.5	1079.5	100	5.56	30	4	5.0	0.06	19.05	7.82	26.67	0.8	33.34	
113	TELEHEALTH OFFICE 2	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.98	4.74	6.72	0.8	8.39	
114	KID PRIVATE ROOM 1	RESTROOM-PUBLIC	79	8.5	671.5	100	8.94	0	0	0.0	0	0.00	0.00	0.00	0.8	0.00	70
115	KID PRIVATE ROOM 2	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.98	4.74	6.72	0.8	8.39	PER FLUSHING FIXTURE
116	CHAM ROOM 1	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.98	4.74	6.72	0.8	8.39	
117(2)	DAYROOM	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.98	4.74	6.72	0.8	8.39	
117A	DAYROOM RR	LOBBIES/PREFUNCTION	71	8.5	603.5	100	9.94	30	2	7.5	0.06	15.98	4.26	20.24	0.8	25.29	
118	CHAM ROOM 2	CORRIDOR	63	8.5	535.5	100	11.20	0	0	0.0	0.06	0.00	3.78	3.78	0.8	4.73	
119	NURSE STATION	SCIENCE LABS	430	8.5	3655	100	1.64	25	11	10.0	0.18	107.50	77.40	184.90	0.8	231.13	
TOTALS						1000			13					OUTSIDE AIR SUB-TOTAL (A)		423.89	EXHAUST AIR SUB-TOTAL (B)
														TOTAL OUTSIDE AIR CFM REQUIRED - USE LARGEST (A OR B) VALUE		423.89	
														TOTAL OUTSIDE AIR CFM PROVIDED		430	

ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	NET SQUARE FOOTAGE (A ₂)	CEILING HEIGHT IN FEET (C _H /H)	VOLUME (CF) A ₂ /C _H ft	SUPPLY AIR (CFM)	AIR CHANGES PER HOUR (ACH/5)	OCCUPANCY DENSITY PER 1000 NET SQ. FT.	OCCUPANTS (P ₂)	OUTSIDE AIR CFM PER PERSON (R _p)	OUTSIDE AIR CFM PER SQ. FT. (R _a)	(R _p P ₂)	(R _a A ₂)	G.A. CFM REQUIRED (N _{bz}) R _p P ₂ + R _a A ₂	ZONE O.A. AIR FLOW (E _z)	ADJUSTED O.A. V _{oz} = V _{bz} /E _z	EXHAUST CFM REQUIRED
120	LAUNDRY	COMMERCIAL LAUNDRY	139	8.5	1181.5	100	5.08	10	1	25.0	0	34.75	0.00	34.75	0.8	43.44	
121	STORAGE	STORAGE ROOM	68	8.5	578	100	10.38	0	0	0.0	0.12	0.00	8.16	8.16	0.8	10.20	
122	BREAKROOM	KITCHENS (PRIVATE)	154	8.5	1309	100	4.58	0	0	0.0	0	0.00	0.00	0.00	0.8	0.00	100
123	HALL	CORRIDOR	44	8.5	374	100	16.04	0	0	0.0	0.08	0.00	2.64	2.64	0.8	3.30	
124	OFFICE	OFFICE SPACES	95	8.5	807.5	100	7.43	5	0	5.0	0.06	2.38	5.70	8.08	0.8	10.09	
125	OFFICE	OFFICE SPACES	93	8.5	790.5	100	7.59	5	0	5.0	0.06	2.33	5.58	7.91	0.8	9.88	
126	CONFERENCE ROOM	CONFERENCE/MEETING	289	8.5	2455.5	100	2.44	50	14	5.0	0.06	72.25	17.34	89.59	0.8	111.99	
127	WORK ROOM	KITCHENS (PRIVATE)	70	8.5	595	100	10.08	0	0	0.0	0	0.00	0.00	0.00	0.8	0.00	100
128	OFFICE	OFFICE SPACES	213	8.5	1810.5	101	3.35	5	1	5.0	0.06	5.33	12.78	18.11	1.8	10.06	
129	HALLWAY	CORRIDOR	354	8.5	3009	102	2.03	0	0	0.0	0.06	0.00	21.24	21.24	2.8	7.59	
130	UNISEX RR	RESTROOM-PRIVATE	113	8.5	960.5	100	6.25	0	0	0.0	0	0.00	0.00	0.00	0.8	0.00	70
131	STAFF UNISEX RR	RESTROOM-PRIVATE	83	8.5	705.5	103	8.76	0	0	0.0	0	0.00	0.00	0.00	3.8	0.00	70
TOTALS						1500			26						OUTSIDE AIR SUB-TOTAL (A)	206.54	
														TOTAL OUTSIDE AIR CFM REQUIRED - USE LARGEST (A OR B) VALUE		340	
														TOTAL OUTSIDE AIR CFM PROVIDED		340	

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM



THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

[illegible]

PROJECT: **GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION**

410 DENIM DRIVE, ERWIN, NC 28339

MECHANICAL DETAILS

M5

ELECTRICAL LEGEND	
	DUPLEX RECEPTACLE; MOUNT AT 18" A.F.F.
	DUPLEX RECEPTACLE; MOUNT AT 18" A.F.F.; TAMPER RESISTANT
	DUPLEX RECEPTACLE; GROUND FAULT CIRCUIT INTERRUPTER
	DUPLEX RECEPTACLE; WEATHERPROOF GROUND FAULT CIRCUIT INTERRUPTER
	QUAD RECEPTACLE; MOUNT AT 18" A.F.F.
	2 POLE 208/240V RECEPTACLE
	CEILING MOUNTED DUPLEX RECEPTACLE
	FLOOR MOUNTED RECEPTACLE
	SINGLE POLE POWER/LIGHTING HOMERUN
	2-POLE POWER HOMERUN
	3-POLE POWER HOMERUN (3 PHASE)
	WALL MOUNTED VOICE OUTLET
	WALL MOUNTED DATA OUTLET
	WALL MOUNTED VOICE/DATA OUTLET
	CEILING MOUNTED VOICE/DATA OUTLET
	TIMECLOCK
	TELEVISION OUTLET
	DISCONNECT
	JUNCTION BOX
	POWER PANEL
	SWITCH
	3-WAY SWITCH
	SWITCH WITH DIMMER
	OCCUPANCY SENSOR WITH DIMMABLE MANUAL OVERRIDE
	LAY-IN/SURFACE MOUNTED LED LIGHT FIXTURE
	LAY-IN/SURFACE MOUNTED LED; NIGHT LIGHT
	PENDANT LIGHT
	CAN LIGHT
	EMERGENCY LIGHT
	EXIT/EMERGENCY COMBO
	EXIT LIGHT
	REMOTE HEAD FOR EXIT LIGHTING
	EXTERIOR MOUNTED WALL PACK
	CCTV/SECURITY CAMERA SYSTEM
	CARD READER / KEY CARD ACCESS
	DOOR STATION / VIDEO PHONE
	PANIC ALARM
	FIRE ALARM RELEASE, DOOR LOCK SHALL RELEASE UPON ACTIVATION OF FIRE ALARM

ELECTRICAL NOTES:
ALL WORK SHALL BE IN ACCORDANCE WITH 2020 NEC.

WIRE AND CABLE SHALL BE INSULATED, TYPE THHN, 600 VOLTS, WITH COPPER CONDUCTORS. CONDUCTOR SIZES NO. 8 AWG AND LARGER MAY BE STRANDED. CONDUCTOR SIZES NO. 10 AWG AND SMALLER MAY BE SOLID OR STRANDED.

BOMEX CAN NOT BE USED IN THIS PROJECT. MC CAN BE USED.

EMT SHALL BE GALVANIZED STEEL TUBING 1/2-INCH MINIMUM SIZE, EQUAL TO ELECTRITE BRAND OR APPROVED AND USED ONLY WITH HEXAGONAL ALL STEEL COMPRESSION FITTINGS. MC CABLE MAY BE SUBSTITUTED FOR CONDUIT RACEWAYS WHERE PERMITTED BY THE CODE AND APPROVED BY OWNER.

PLASTIC CONDUIT SHALL BE RIGID, 3/4-INCH MINIMUM, NONMETALLIC, HEAVY DUTY, POLYVINYLCHLORIDE (PVC) TYPE 1. IT WILL BE USED FOR CONCRETE ENCASUREMENT. FITTINGS SHALL BE THE SAME MATERIALS AND MANUFACTURER AS THE PLASTIC CONDUIT.

FLEXIBLE METAL CONDUIT SHALL BE 1/2-INCH MINIMUM SINGLE STRIP, STEEL, HOT DIPPED GALVANIZED INSIDE AND OUTSIDE. MAXIMUM LENGTH OF 72 INCHES FOR LIGHTING, AND 36 INCHES FOR MOTORS. FLEXIBLE METAL CONDUIT SHALL BE LIQUID TIGHT OR WATER TIGHT WITH PVC JACKETS WHERE USED IN DAMP, WET, OR OUTSIDE AREAS, AND LIQUID TIGHT OR WATER TIGHT CONNECTORS SHALL BE USED.

NO RECEPTACLES OR TELEPHONE OUTLETS ARE TO BE MOUNTED BACK TO BACK, KEEP AT LEAST 1 1/2 INCHES BETWEEN RECEPTACLES AND TELEPHONE OUTLETS.

ALL CONDUCTORS SHALL BE COPPER WITH A MINIMUM SIZE OF #12 AWG EXCEPT FOR FIRE ALARM. THESE CONDUCTORS SHOULD COMPLY WITH NFPA REQUIREMENTS. FEEDERS SHALL BE ALUMINUM WHERE NOTED.

THE ELECTRICAL CONTRACTOR SHALL ALLOW ALL FIXTURES, SMOKE DETECTORS, CEILING DIFFUSERS, ETC. AS REQUIRED TO PROVIDE A UNIFORM PRESENTATION. FOLLOW THE REFLECTED CEILING PLAN IF PROVIDED.

CIRCUIT BREAKERS AND WIRE ARE SIZED FOR SPECIFIC EQUIPMENT. BEFORE ORDERING WIRE, BREAKERS, FIXTURES, CONDUIT, AND ETC. FOR THIS PROJECT, THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OTHER CONTRACTORS ON THE JOB AND VERIFY THE ELECTRICAL DATA FOR THE EQUIPMENT THAT WILL BE ACTUALLY INSTALLED. RECOMPUTE WIRE AND BREAKER SIZES IF REQUIRED BY THE NEC.

THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE GENERAL CONTRACTOR AND OWNER PRIOR TO INSTALLATION FOR USE WITH ACTUAL EQUIPMENT.

ALL LIGHT SWITCHES, RECEPTACLES, WALL PLATES, TELEPHONE/COMPUTER OUTLET BOXES, AND CABLE OUTLET BOXES SHALL BE WHITE.

EACH CONTRACTOR WILL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED IN HIS CONTRACT AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE ELECTRICAL CONTRACTOR'S EXPENSE.

THE ELECTRICAL CONTRACTOR SHALL REFER TO THE DRAWINGS FOR FLOOR PLAN AND BUILDING ELEVATION DIMENSIONS.

THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE. THINK OF OTHER CONTRACTORS AND THEIR REQUIREMENTS IN VERTICAL CHASIS AND WALL MOUNT SPACE. ALL CONTRACTORS TO FOLLOW THIS ORDER OF PRIORITY:

1. STORM AND SANITARY SEWER LINES
2. DUCTWORK AND HVAC SYSTEMS
3. HOT AND COLD WATER LINES
4. RIGID CONDUIT
5. CABLE

THE ELECTRICAL CONTRACTOR TO ORGANIZE HIS CONDUIT, WIRE, AND CABLE RUNS IN ATTIC SPACES AND ABOVE CEILINGS, MAKE RUNS PARALLEL, PERPENDICULAR, AND GROUPED TOGETHER WHERE POSSIBLE. LOCATE MAJOR GROUPINGS OVER HALLWAYS AND AREAS OF PUBLIC ACCESS. FREE RUNS OF PHONE, TELEVISION, SECURITY, ALARM, AND OTHER CABLES IS NOT ACCEPTABLE.

ALL DISCONNECT SWITCHES AND BREAKER SIZES SHOWN FOR MECHANICAL EQUIPMENT, KITCHEN EQUIPMENT, AND ETC. SHALL BE VERIFIED BEFORE PURCHASE AND INSTALLATION OF SAID EQUIPMENT WITH THE EQUIPMENT SUPPLIER AND MECHANICAL CONTRACTOR.

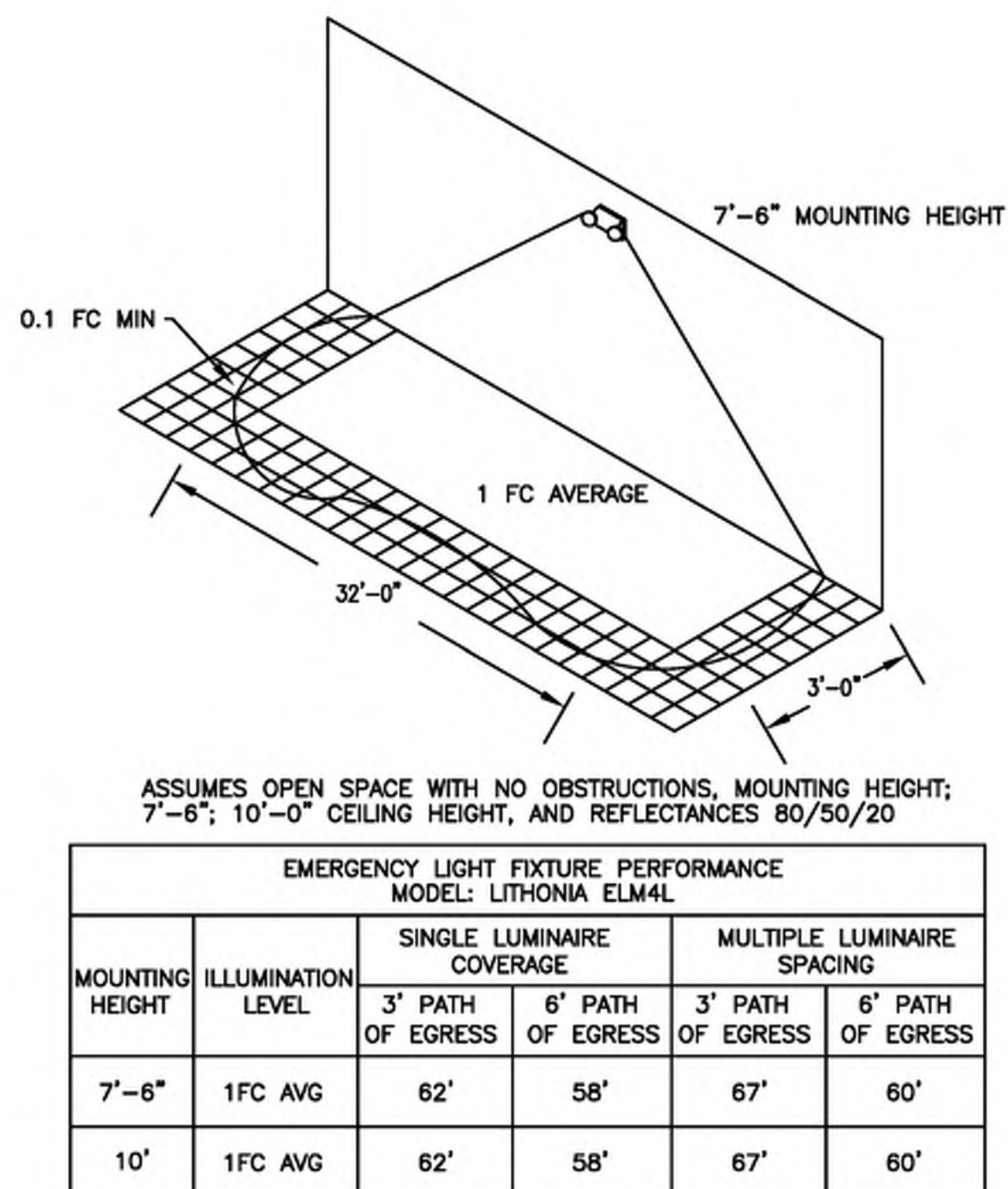
WHERE EQUIPMENT PENETRATES EXTERIOR WALLS OR ROOF, THEY SHALL BE PROPERLY SEALED.

EXHAUST FANS ARE TO BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR AND ELECTRICAL WIRING BY THE ELECTRICAL CONTRACTOR.

THE ELECTRICAL CONTRACTOR SHALL PROVIDE NAMEPLATES FOR IDENTIFICATION OF ALL EQUIPMENT, SWITCHES, PANELS, ETC. THE NAMEPLATES SHALL BE LAMINATED PHENOLIC PLASTIC, BLACK FRONT AND BACK WITH WHITE CORE, WHITE ENGRAVED LETTERS (1/4 INCH MINIMUM) ETCHED INTO THE WHITE CORE. NAME TAGS TO BE MOUNTED WITH SELF-TAPPING SHEET METAL SCREWS.

THE ELECTRICAL CONTRACTOR IS NOT TO SCALE THE DRAWINGS FOR RECEPTACLES AND LIGHT FIXTURES TO BE INSTALLED. THE DRAWINGS ARE FOR DIAGNOSTIC PURPOSES ONLY TO SHOW GENERAL LOCATION. THE ELECTRICAL CONTRACTOR TO COORDINATE EXACT LOCATION OF RECEPTACLES AND LIGHT FIXTURES WITH THE GENERAL CONTRACTOR AND/OR CASEWORK DRAWINGS.

ALL LIGHT SWITCHES AND RECEPTACLES SHALL BE RATED FOR 20 AMP UNLESS NOTED OTHERWISE.



WALL MOUNTED EMERGENCY LIGHT
NOT TO SCALE

APPENDIX B ELECTRICAL DESIGN 2018 BUILDING CODE SUMMARY

PROJECT NAME: **GOOD HOPE BEHAVIORAL URGENT CARE**

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT
METHOD OF COMPLIANCE:
ENERGY CODE: X PRESCRIPTIVE PERFORMANCE
ASHRAE 90.1: PRESCRIPTIVE PERFORMANCE

LIGHTING SCHEDULE (EACH FIXTURE TYPE)
LAMP TYPE REQUIRED IN FIXTURE LED
NUMBER OF LAMPS IN FIXTURE (SEE FIXTURE SCHEDULE)
BALLAST TYPE USED IN THE FIXTURE ELECTRONIC
NUMBER OF BALLASTS IN FIXTURE 1
TOTAL WATTAGE PER FIXTURE VARIES PER FIXTURE
TOTAL INTERIOR WATTAGE SPECIFIED VERSUS ALLOWED (SPACE) 5,880 ALLOWED - 2,270 SPECIFIED
TOTAL EXTERIOR WATTAGE SPECIFIED VERSUS ALLOWED N/A

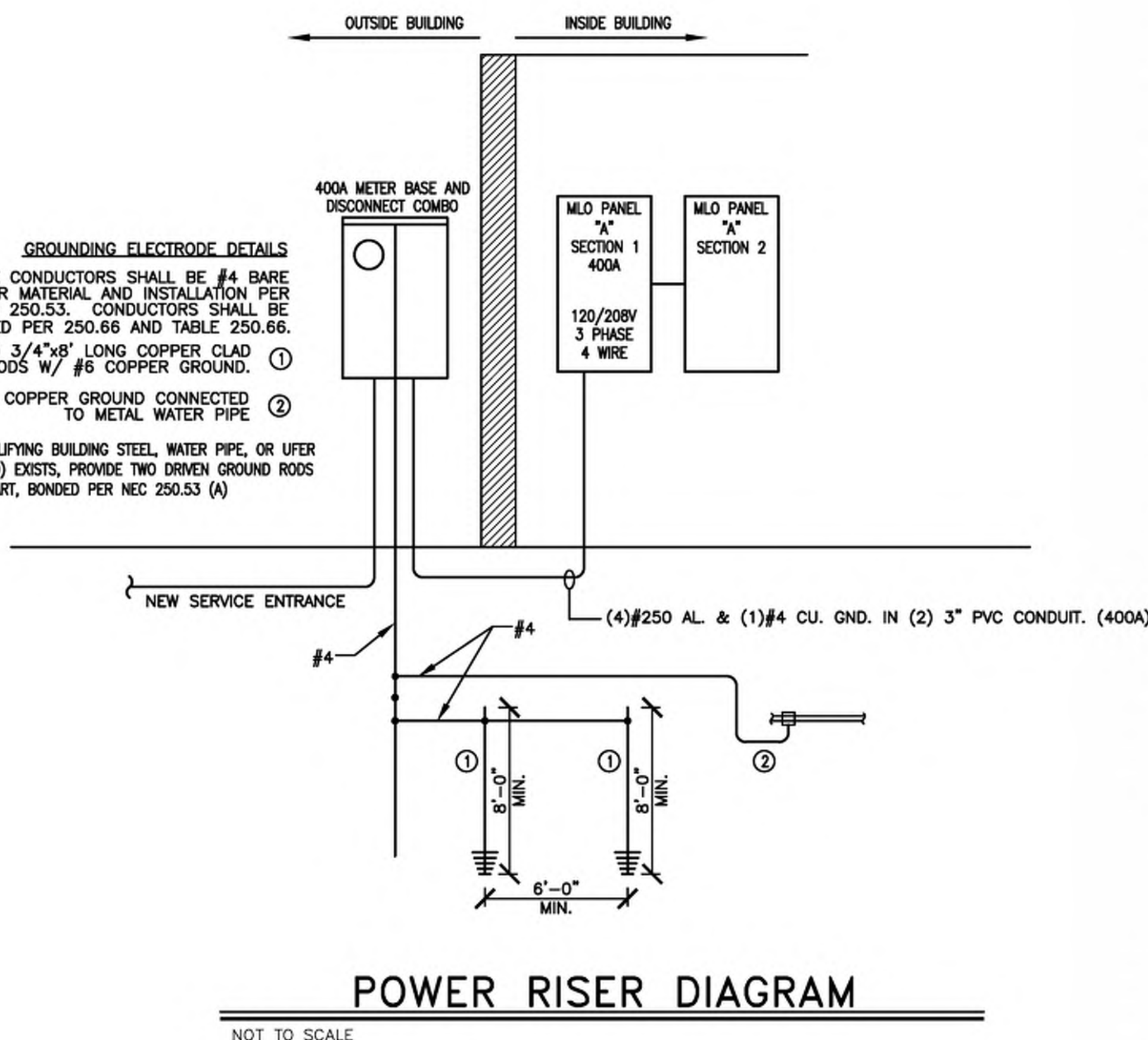
SECTION C406 ADDITIONAL EFFICIENCY PACKAGE OPTIONS

C406.1 BUILDINGS SHALL HAVE AT LEAST ONE OF THE FOLLOWING PRESCRIPTIVE COMPLIANCE (REQUIRED FOR NEW BUILDINGS, OPTIONAL FOR EXISTING BUILDINGS)

1. MORE EFFICIENT MECHANICAL EQUIPMENT PER C406.2
2. REDUCED LIGHTING POWER DENSITY PER C406.3
3. ENHANCED LIGHTING CONTROL SYSTEMS PER C406.4
4. ON-SITE SUPPLY OF RENEWABLE ENERGY PER C406.5
5. DEDICATED OUTDOOR AIR SYSTEM PER C406.6
6. HIGHER EFFICIENCY SERVICE WATER HEATING PER C406.7

DESIGNER STATEMENT:
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE 2018 NC ENERGY CONSERVATION CODE.

SIGNED: *Buddy Jenkins*
NAME: BUDDY JENKINS
TITLE: PROFESSIONAL ENGINEER



PANEL "A" SECTION 1

PHASE LOADING			DESCRIPTION			CKT. TYPE			WIRE SIZE			CKT. NO.			PHASE LOADING		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
1.10			RECEPT-INTAKE 1 & RR			R	#12	20/1	1			2	20/1	#12	R	RECEPT-TELEHEALTH OFFICES	0.92
	0.92		RECEPT-FRONT DESK 102			R	#12	20/1	3			4	20/1	#12	R	RECEPT-KID PRIVATE ROOMS	1.47
		0.92	RECEPT-INTAKE 2 & RR			R	#12	20/1	5			6	20/1	#12	R	RECEPT-CHAIR ROOMS	1.10
1.28			RECEPT-OFFICE 104 & 105			R	#12	20/1	7			8	20/1	#12	R	RECEPT-NURSE STATION	0.74
	1.47		RECEPT-OFFICE 106 & 108			R	#12	20/1	9			10	20/1	#12	R	RECEPT-NURSE COUNTER	1.10
		0.55	RECEPT-RR 107A & 117A			R	#12	20/1	11			12	20/1	#12	R	RECEPT-NURSE COUNTER	0.55
0.74			RECEPT-KITCHEN COUNTER			R	#12	20/1	13			14	20/1	#12	R	RECEPT-NURSE COUNTER	0.55
	0.55		RECEPT-STAFF RESTROOMS			R	#12	20/1	15			16	20/1	#12	R	RECEPT-CONFERENCE ROOM	0.92
		1.10	RECEPT-OFFICE 124 & 125			R	#12	20/1	17			18	20/1	#12	R	RECEPT-WORK ROOM	0.55
0.74			RECEPT-OFFICE 128			R	#12	20/1	19			20	20/1	#12	R	RECEPT-WORK ROOM	0.50
	0.37		RECEPT-BREAKROOM			R	#12	20/1	21			22	20/1	#12	R	RECEPT-BREAKROOM COUNTER	0.55
		0.37	RECEPT-RISER ROOM			R	#12	20/1	23			24	20/1	#12	R	RECEPT-BREAKROOM COUNTER	1.00
0.60			CLOTH WASHER			E	#12	20/1	25			26	20/1	#12	C	BREAKROOM FRIDGE	0.50
	2.50		CLOTHES DRYER			E	#10	30/2	27			28	20/1	#12	C	BREAKROOM MICROWAVE	0.52
		2.50	ATTIC LIGHT + RECEPT			R	#12	20/1	31			32	20/1	#12	C	LIGHTING - REAR SIDE	0.75
0.84			IT UPS SYSTEM			E	#12	20/2	33			34	20/1	#12	C	LIGHTING - NURSE AREA	0.35
	0.75					E	#12	20/2	35			36	20/1	#12	C	LIGHTING - RIGHT WING AREA	0.45
		1.00	IT RECEPT			C	#12	20/1	37			38	20/1	#12	C	LIGHTING - EXTERIOR WALLPACK	0.20
0.50			SPARE FOR FIRE ALARM			C	#12	20/1	39			40	20/1	#12	C	WH-1 REGR. PUMP	0.72
	0.50		WARMING KITCHEN FRIDGE			C	#12	20/1	41			42	20/1	#12	C	WH-2 REGR. PUMP	0.00
		0.50	WARMING KITCHEN FREEZER			C	#12	20/1	43			44	20/1	#12	C	WH-3 REGR. PUMP	1.47
0.00									45			46					0.00
	0.00								47			48					0.00
		0.00							49			50					0.00
		0.00							51			52					0.00
		0.00							53			54					0.00

PANEL "A" SECTION 2

PHASE LOADING			DESCRIPTION			CKT. TYPE			WIRE SIZE			CKT. NO.			PHASE LOADING		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
2.16			HP-1			H	#10	30/3	55			56			5.18		
	2.16								57			58	45/3	#8	H	AHU-1	5.18
		2.16							59			60					5.16
2.16			HP-2			H	#10	30/3	61			62			5.18		
	2.16								63			64	45/3	#8	H	AHU-2	5.18
		2.16							65			66			5.18		
2.16			HP-3			H	#10	30/3	67			68			5.18		
	2.16								69			70	45/3	#8	H	AHU-3	5.18
		2.16							71			72			5.18		
1.92			WH-1			E	#12	20/3	73			74			1.44		
	1.92								75			76	20/3	#12	H	WH-2	1.44
		1.92							77			78					1.44
1.25			IT CLOSET MINI-SPLIT			H	#10	25/2	79			80			0.00		
	1.25								81			82			0.00		
		0.00							83			84			0.00		
	0.00								85			86			0.00		
		0.00							87			88			0.00		
		0.00							89			90			0.00		
		0.00							91			92			0.00		
		0.00							93			94			0.00		
		0.00							96			96			0.00		
		0.00							97			98			0.00		
		0.00							99			100			0.00		
		0.00							101			102			0.00		
		0.00							103			104			0.00		
		0.00							105			106			0.00		
		0.00							107			108			0.00		
16.25	16.71	15.09	SUB-TOTAL (KVA)			SUB-TOTAL (VA)			TOTAL CONNECTED LOAD = 113.72 KVA			TOTAL AMPS = 315.65 A			TOTAL OF: 108 SPACES		

H-HVAC LOAD	C-CONTINUOUS LOAD	TOTAL CONNECTED LOAD = 113.72 KVA
K-KITCHEN LOAD	N-NON CONTINUOUS LOAD	TOTAL AMPS = 315.65 A
E-ESTIMATED LOAD	R-RECEPTACLE LOAD	TOTAL OF: 108 SPACES

TOTAL CONNECTED LOAD SUMMARY			
ITEM	CONNECTED LOAD (KVA)		ESTIMATED LOAD (KVA)
HVAC	68.38	● 100%	= 68.38
LIGHTING	4.38	● 125%	= 5.48
RECEPTACLES	18.58	(1-10.00+60+10.00)	= 15.14
MISC. EQUIPMENT	22.40	● 60%	= 13.44
TOTAL CONNECTED	113.72 KVA	315.65 AMPS	
ESTIMATED DEMAND	102.44 KVA	284.35 AMPS	

AVAILABLE FAULT CURRENT	
UTILITY FAULT @ 208 VOLTS = 150 KVA XFMR 27,800 AMPS (2 RUNS) #250 KCMIL ALUMINUM @ 100 FEET TO DISCONNECT AT SERVICE ENTRANCE	
L-L FAULT CURRENT = 14,833 AMPS	
L-N FAULT CURRENT = 8,324 AMPS	
#250 ALUMINUM @ 40 FEET TO PANEL (SHORTEST RUN)	
L-L FAULT CURRENT = 12,302 AMPS	
L-N FAULT CURRENT = 7,014 AMPS	

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1000 MARTIN RD. FAYETTEVILLE, NC 28404-1002
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25 JULY 2025

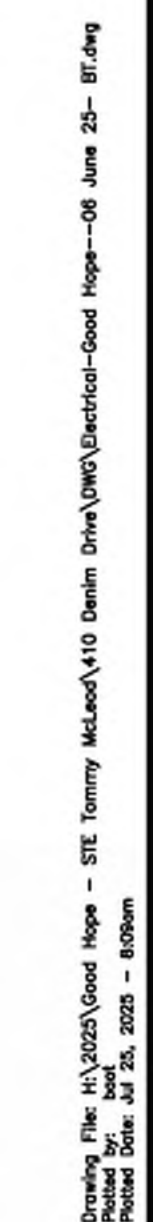
DESIGNED/CHECKED BY: BJ
DRAWN BY: TS, SAN, GD, BT, JC, JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☒ FOR CONSTRUCTION

OWNER/TENANT: GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28539
CONTRACTOR/BUILDER: SITE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DAWN, NC 28334

PROJECT: GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28539
SHEET: ELECTRICAL RISERS & NOTES

E1

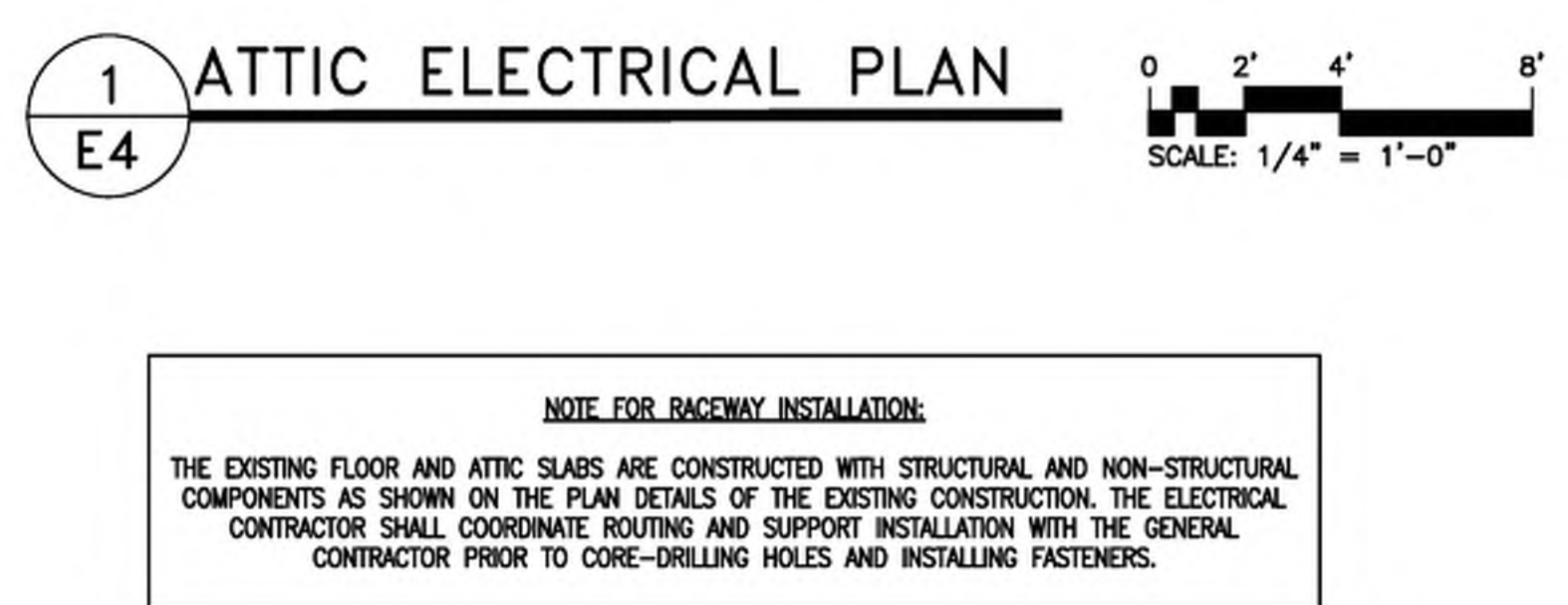
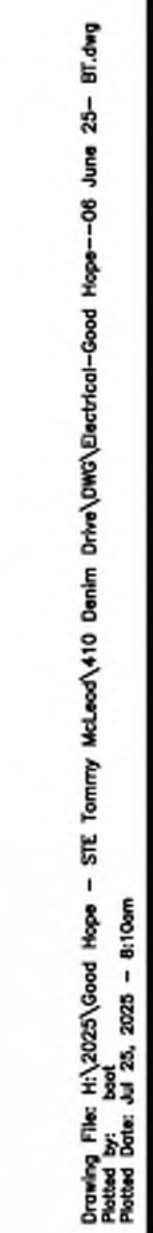


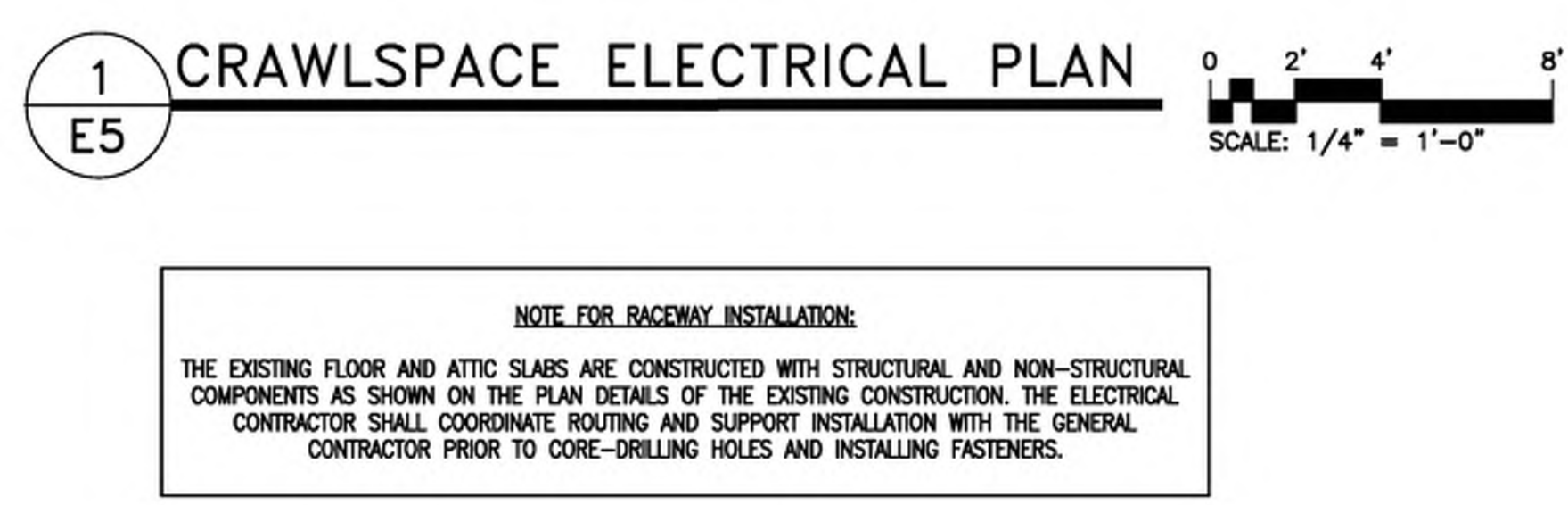
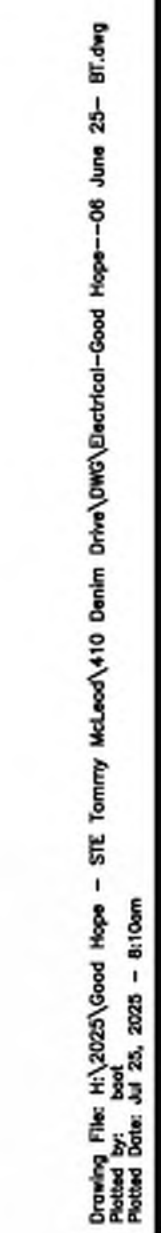
LIGHT FIXTURE SCHEDULE												
TAG	DESCRIPTION	SIZE	MOUNTING	LENS	COLOR	LUMENS	BULB	BALLAST TYPE	VOLTAGE	WATTAGE	MANU/MODEL NUMBER	REMARKS
(A)	LED FLAT PANEL	24" X 48"	LAY-IN	N/A	4000 K	3000	LED	LED DRIVER	120	25	LITHONIA NO. CPX 2X4 3000LM 80 40K OR EQUAL	SEE PLAN FOR NIGHT LIGHT "NL"
(B)	LED FLAT PANEL	24" X 48"	LAY-IN	N/A	4000 K	4000	LED	LED DRIVER	120	37	LITHONIA NO. CPX 2X4 4000LM 80 40K OR EQUAL	SEE PLAN FOR NIGHT LIGHT "NL"
(C)	LED FLAT PANEL	24" X 24"	LAY-IN	N/A	4000 K	2000	LED	LED DRIVER	120	15.6	LITHONIA NO. CPX 2X2 2000LM 80 40K OR EQUAL	SEE PLAN FOR NIGHT LIGHT "NL"
(D)	LED CANLESS LIGHT	8"	RECESSED	N/A	5000 K	1700	LED	LED DRIVER	120	20	LITHONIA NO. WF8 LED 50K MVOLT OR EQUAL	
(E)	LED LOW BAY LINEAR	10" X 48"	PENDANT	N/A	5000 K	6000	LED	LED DRIVER	120	44	LITHONIA NO. UFI1 L46 6000LM SEF 50K OR EQUAL	
(F)	LED LOW PROFILE WRAPAROUND	4" X 24"	SURFACE	N/A	5000 K	800	LED	LED DRIVER	120	7	LITHONIA NO. BLWP2 BL ADP LP850 OR EQUAL	
(G)	LAMB HOLDER (E26 LED BULB)	4-1/2"	SURFACE	N/A	4000 K	1100	LED	N/A	120	12	LEVITON LAMPHOLDER NO. 49875 OR EQUAL WITH LED BULB	
(H)	LED EXTERIOR WALL PACK	7" X 11"	SURFACE	N/A	3000 K	2400	LED	LED DRIVER	120	17	LITHONIA NO. TWS LED AL0 SWN2 MVOLT PE DDB OR EQUAL	BUILT-IN PHOTOCELL
(I)	VAPOR TIGHT LED STRIP LIGHT	6" X 48"	SURFACE	N/A	4000 K	5000	LED	LED DRIVER	120	42	LITHONIA NO. CSVT L48 5000LM MVOLT 40K 80 CRI OR EQUAL	
EM	LED EMERGENCY (WALL MOUNT)	N/A	WALL	N/A	N/A	N/A	(2) LAMPS	ELECTRONIC	120		LITHONIA EL4M1 OR EQUAL LITHONIA EL2L OR EQUAL (FOR RESTROOMS/UTILITY ROOMS)	6 VOLT NICAD BATTERY TEST SWITCH, POWER INDICATOR
EX	EXIT SIGN/EMERGENCY LIGHT COMBO	N/A	WALL	SINGLE	N/A	N/A	LED LIGHT	LED DRIVER	120		LITHONIA LQW LED R HO M6 OR EQUAL	6 VOLT NICAD BATTERY, (2) REMOTE HEADS; WIREGUARD IN GYMNASIUM AREA
EX	EXIT SIGN	N/A	WALL	SINGLE	N/A	N/A	LED LIGHT	LED DRIVER	120		LITHONIA LQW S W 3 R 120/277 EL N M6 OR EQUAL	6 VOLT NICAD BATTERY WIREGUARD IN GYMNASIUM AREA

NOTE FOR RACEWAY INSTALLATION:

THE EXISTING FLOOR AND ATTIC SLABS ARE CONSTRUCTED WITH STRUCTURAL AND NON-STRUCTURAL COMPONENTS AS SHOWN ON THE PLAN DETAILS OF THE EXISTING CONSTRUCTION. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ROUTING AND SUPPORT INSTALLATION WITH THE GENERAL CONTRACTOR PRIOR TO CORE-DRILLING HOLES AND INSTALLING FASTENERS.

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

[illegible]



THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

NOTES:

1) PROVIDE ALL TOILETS WITH FLUSH CONTROL ON OPEN SIDE OF TOILET

2) SHOWER HOSE SHALL BE QUICK-RELEASE TYPE AND FAUCET SHALL BE SET UP TO ACCEPT BOTH HOSE AND FIXED POSITION SHOWER HEAD

3) PROVIDE WITH LIGATURE RESISTANT DIVERTER VALVE. MOUNT FIXED SPRAYER (WHITEHALL WHCSH16) SO THAT SPRAY IS DIRECTED TO SEAT WALL AND NOT AT SHOWER CURTAIN

WATER CALCULATIONS				
QTY.	ITEM	C.W. FIXTURE UNITS	WATER SUPPLY FIXTURE UNITS EACH	WATER SUPPLY FIXTURE UNITS TOTAL
1	UTILITY SINK	2.25	3.0	3.0
7	WATER CLOSET	10.0	10.0	70.0
7	LAVATORY	1.5	2.0	14.0
2	DRINKING FOUNTAIN	0.25	0.25	0.5
2	SHOWER	1.0	1.4	2.8
2	KITCHEN SINK	1.0	1.4	2.8
1	HAND SINK	0.5	0.7	0.7
1	WASHING MACHINE	2.25	3.0	3.0
TOTAL WATER SUPPLY FIXTURE UNITS				96.8

The diagram illustrates the water supply system for the patient room. It shows the connection to the water heater (HW) and the circulation pump with timer and aquastat. The system includes a check valve, ball valves, and a mixing valve (MV-1) for the shower. The water supply is shown as 105° and 140°F. The diagram also indicates the location of the water meter, pressure gauge, and the mixing valve in the intake rooms. The water supply is shown as 105° and 140°F. The diagram also indicates the location of the water meter, pressure gauge, and the mixing valve in the intake rooms.

TEMPERED WATER BACK TO WATER HEATER C.W. INLET

VALVE & CAP FOR FUTURE USE

140°F HWS

N.C.

140°F HWS

N.C.

N.O.

N.O.

CIRCULATING PUMP WITH TIMER, AQUASTAT

C.W. SUPPLY

CHECK VALVE

N.O.

N.O.

BALL VALVES ABOVE CEILING

105°

DOMESTIC TEMPERED WATER

TO SHOWER

3/4"

VOLUME CONTROL & SHUTOFF

MIXING VALVE MV-1, SEE FIXTURE SCHEDULE

UNION

3/4" H&C SUPPLIES

SCREWDRIVER STOP

3/4"

1 1/2" TEMPERED WATER RETURN

COLD WATER

LAST FIXTURE

SHOWER MIXING VALVES

FEEDS ALL FIXTURES IN PATIENT AREAS

LOCATED IN MIXING VALVE CABINET IN ROOM 109A

IN INTAKE ROOMS

LEGEND:
N.C.: NORMALLY OPEN
N.O.: NORMALLY CLOSED

1 SHOWER MIXING VALVE & CIRCULATION DIAGRAM
P1 NOT TO SCALE INSTALLED WITHIN MECHANICAL ROOM FOR BOTH SHOWERS & HAND SINKS



PLUMBING GENERAL NOTES:

PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA PLUMBING CODE 2018 EDITION AND LOCAL CODES.

ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE GENERAL CONTRACTOR AND OWNER TO SURE THE OWNER'S OPERATING CONDITIONS.

PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE GENERAL CONTRACTOR OF ANY DEVIANCES FROM THE CONTRACT DRAWINGS PRIOR TO STARTING ANY WORK.

THE PLUMBING CONTRACTOR SHALL COORDINATE WITH OTHER TRADES INVOLVED IN THIS PROJECT FOR THE INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE. THINK OF OTHER CONTRACTORS AND THEIR REQUIREMENTS IN VERTICAL CHANGES AND WALL MOUNTING. ALL CHANGES MUST FOLLOW THIS ORDER OF PRIORITY:

1. STORM AND SANITARY SEWER LINES
2. DUCTWORK AND HVAC SYSTEMS
3. HOT AND COLD WATER LINES
4. RIGID CONDUIT
5. CABLE

THE PLUMBING CONTRACTOR TO ORGANIZE HIS PIPING IN ATTIC SPACES, CRAWL SPACES AND ABOVE CEILINGS. MAKE RUNS PARALLEL, PERPENDICULAR, AND GROUPED TOGETHER WHERE POSSIBLE. LOCATE MAJOR GROUPINGS OVER HALLWAYS AND AREAS OF PUBLIC ACCESS IF POSSIBLE. FREE RUNS OF PIPING IS NOT ACCEPTABLE.

THE PLUMBING CONTRACTOR SHALL LAY OUT AND INSTALL HIS WORK IN ADVANCE OF POURING CONCRETE FLOORS OR WALLS. HE SHALL FURNISH ALL SLEEVES TO THE GENERAL CONTRACTOR FOR OPENINGS THROUGH POURED MASONRY FLOORS, OR WALLS, ABOVE GRADE REQUIRED FOR PASSAGE OF ALL PIPES TO SUPPORT HIS EQUIPMENT.

HORIZONTAL DRAINAGE AND WASTE PIPE SHALL HAVE A MINIMUM SLOPE OF FALL OF 1/8" INCH PER FOOT. A CHANGE OF HORIZONTAL DIRECTION IN SOLID WASTE PIPE SHALL BE MADE WITH LONG RADIUS FITTINGS WITH "Y" BRANCHES AND 1/8 OR 1/16 BENDS.

COLD AND HOT WATER PIPING ABOVE GRADE SHALL CAN BE PEX PIPING (WITH OWNERS APPROVAL).

ALL HOT WATER PIPING SHALL BE INSULATED WITH 1 INCH THICK SECTIONAL INSULATION. THE FIBERGLASS INSULATION WITH FACTORY APPLIED COVER SHALL BE EMBOSSED VAPOR BARRIER, LAMINATED WITH PRESSURE SEALING CAP ADHESIVE.

ALL COLD WATER PIPING SHALL BE INSULATED WITH 1 1/2 INCH THICK SECTIONAL INSULATION. THE FIBERGLASS INSULATION WITH FACTORY APPLIED COVER SHALL BE EMBOSSED VAPOR BARRIER, LAMINATED WITH PRESSURE SEALING CAP ADHESIVE.


BRUCE JENKINS
 CONSULTING ENGINEERS, P.A.
 OFFICE IN EUREKA SPRINGS, NORTH CAROLINA
 1000 EUREKA SPRINGS DRIVE, SUITE 100
 NORTH CAROLINA CORPORATION NUMBER 00005

DESIGNED/CHECKED BY: BJ	DRAWN BY: TS,SAN,GO,BT,JC,JDL	PROJECT #: 2025-01-16
FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY FINAL DRAWING ☒ FOR CONSTRUCTION		
OWNER/TENANT: GOOD HOPE HOSPITAL 410 DOWD DRIVE, DOWD, NC 28539		
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS,LLC		

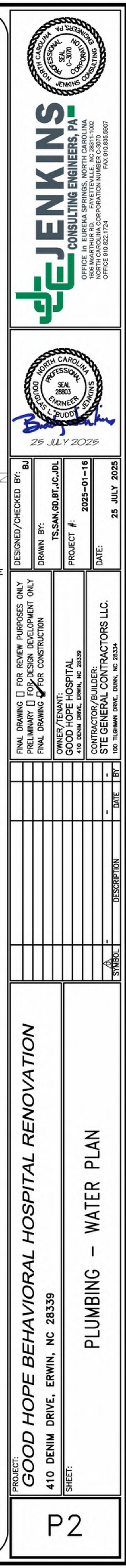
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PROJECT: **GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION**
410 DENIM DRIVE, ERWIN, NC 28339

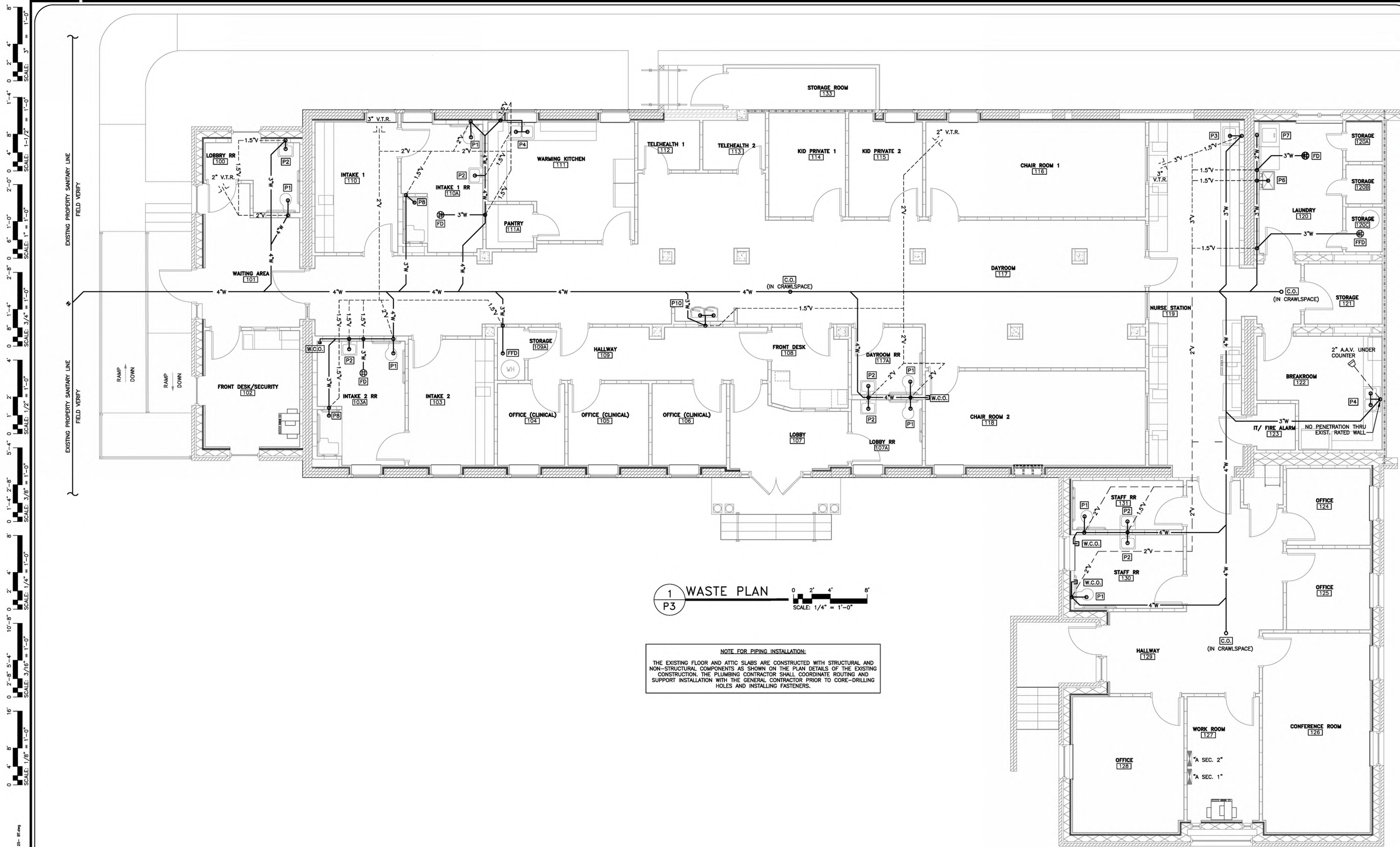
SHEET: **PLUMBING NOTES**

P 1

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM



P2



1 WASTE PLAN
P3

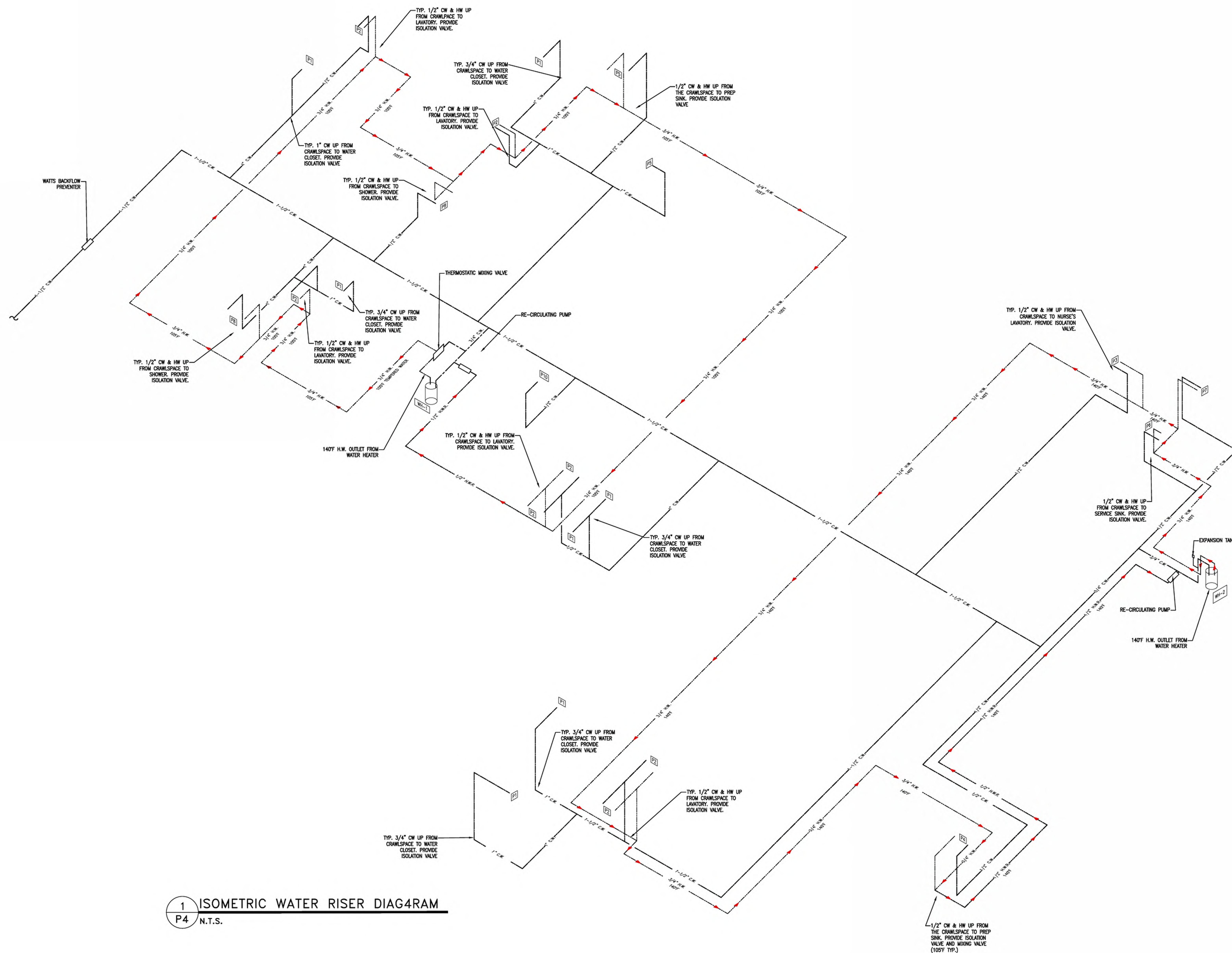
0 2' 4' 8'

SCALE: 1/4" = 1'-0"

NOTE FOR PIPING INSTALLATION:

THE EXISTING FLOOR AND ATTIC SLABS ARE CONSTRUCTED WITH STRUCTURAL AND NON-STRUCTURAL COMPONENTS AS SHOWN ON THE PLAN DETAILS OF THE EXISTING CONSTRUCTION. THE PLUMBING CONTRACTOR SHALL COORDINATE ROUTING AND SUPPORT INSTALLATION WITH THE GENERAL CONTRACTOR PRIOR TO CORE-DRILLING HOLES AND INSTALLING FASTENERS.

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

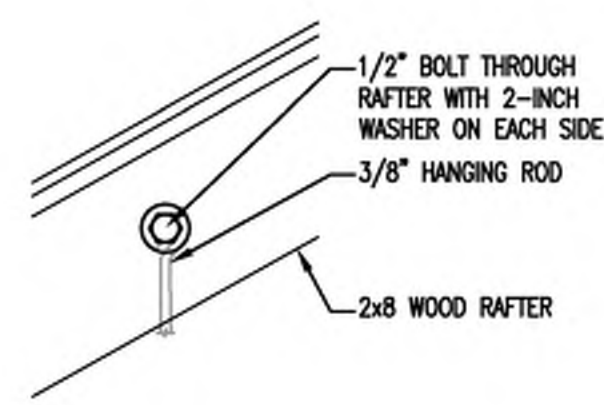


1 ISOMETRIC WATER RISER DIAGRAM
P4 N.T.S.

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM



P5



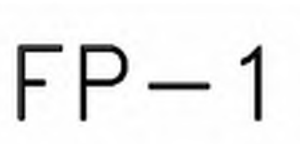
4 HANGER FASTENING AT RAFTER
FP-1

0 4" 8" 1'-4"

SCALE: 1-1/2" = 1'-0"

Diagram illustrating the assembly of a hanging rod for a wood rafter:

- 3/8" HANGING ROD (BENT 90-DEGREES AND THREADED) SECURED WITH 1-INCH WASHER, AND NUT
- 2x6 WOOD RAFTER



THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM



8" = 1'-0" 4" = 1'-0" 2" = 1'-0" 1" = 1'-0" 1/2" = 1'-0" 3/4" = 1'-0" 1/4" = 1'-0" 3/8" = 1'-0" 1/8" = 1'-0" 1/16" = 1'-0" 1/32" = 1'-0" 1/64" = 1'-0" 1/128" = 1'-0" 1/256" = 1'-0" 1/512" = 1'-0" 1/1024" = 1'-0" 1/2048" = 1'-0" 1/4096" = 1'-0" 1/8192" = 1'-0" 1/16384" = 1'-0" 1/32768" = 1'-0" 1/65536" = 1'-0" 1/131072" = 1'-0" 1/262144" = 1'-0" 1/524288" = 1'-0" 1/1048576" = 1'-0" 1/2097152" = 1'-0" 1/4194304" = 1'-0" 1/8388608" = 1'-0" 1/16777216" = 1'-0" 1/33554432" = 1'-0" 1/67108864" = 1'-0" 1/134217728" = 1'-0" 1/268435456" = 1'-0" 1/536870912" = 1'-0" 1/1073741824" = 1'-0" 1/2147483648" = 1'-0" 1/4294967296" = 1'-0" 1/8589934592" = 1'-0" 1/17179869184" = 1'-0" 1/34359738368" = 1'-0" 1/68719476736" = 1'-0" 1/137438953472" = 1'-0" 1/274877906944" = 1'-0" 1/549755813888" = 1'-0" 1/1099511627776" = 1'-0" 1/2199023255552" = 1'-0" 1/4398046511104" = 1'-0" 1/8796093022208" = 1'-0" 1/17592186044416" = 1'-0" 1/35184372088832" = 1'-0" 1/70368744177664" = 1'-0" 1/140737488355328" = 1'-0" 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